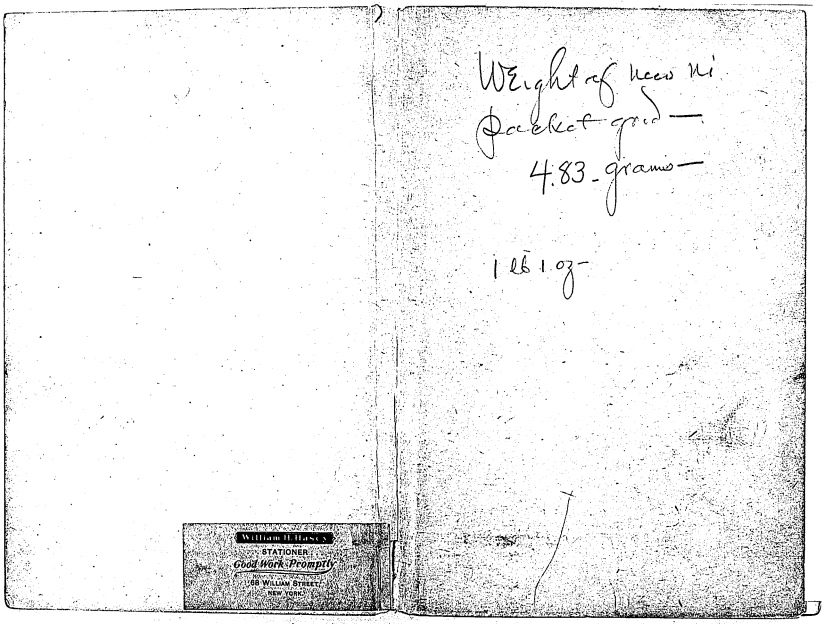
Notebook, N-07-06-00


Weight of moon in pocket-grid —
4.83 - grams —
1 lb 1 oz -
William H. Hasse
STATIONER
Good Work Prompts
NEW YORK

June - 1907

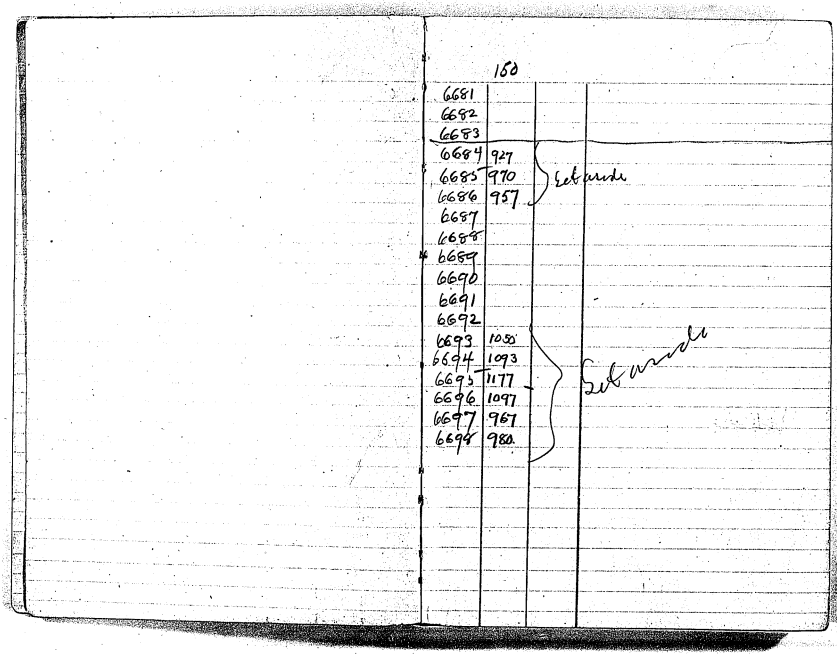
Nickel Hook Machine

is adjusted with flake feed 20 to left + Taper ledge after Ni dump + got best mixing plan like as shown by Mr. Ford —

The flake from Dep 6678 to ——— ——— is fine except a deposit at back in Battery which is ~~made~~ on 1/2 of the pieces + may result in Hard Contact —

Nickel Hook Machine adjusted with flake feed 20 To left
Ledge about 1/2 way from Battery to Ni dump
Wedge Initiator, on the pinion. — 6678 Y purpose

| | Dep. 6678 | Each Cell | 60 Min. | 100 |
|---|---|---|---|---|
| 21% 005 1 1/2 Spiral - 3 1/2 Coil 10 mf 24 x 2 green | 6681 | 1033 | 983 | 957 |
| 21% KOH. 1 gram LiOH | 6682 | 1050 | 1033 | 997 Co |
| Each cell— | 6683 | 1033 | 987 | 913 |
| Dup 6678 | 6684 | 980 | 917 | 926 |
| 21% KOH. 500 milg LiOH | 6685 | 980 | 933 | 963 |
| Each cell- | 6686 | 1013 | 933 | 970 |
| Dup 6678 - | 6687 | 1000 | 480 | 533 |
| 17% NaOH. - 1 grm LiOH. | 6688 | 1010 | 827 | 717 Co |
| Each cell- | 6689 | 1057 | 887 | 767 |
| Dup 6678 | 6690 | 1050 | 830 | 717 |
| 17% NaOH. 500 milg LiOH. | 6691 | 1050 | 863 | 817 Co |
| Each cell. | 6692 | 1010 | 650 | 613 |
| Dup 6678 | 6693 | 1013 | 1107 | 1037 |
| 27% KOH. 2 grm LiOH. | 6694 | 1013 | 1107 | 1063 |
| Each cell— RUN COLD | 6695 | 1070 | 1123 | 1117 |
| Dup 6678 | 6696 | 1030 | 1103 | 1063 |
| 27% KOH. 1 grm LiOH. | 6697 | 967 | 1020 | 980 |
| Each cell Run Cold | 6698 | 980 | 1043 | 993 |
| Dup 6678 | 6699 | | Hoop for report | |
| 21% KOH. 2 grm LiOH | 6700 | | | |
| Each cell- RUN COLD | 6701 | | | |
| Dup 6678 | 6702 | 983 | " | |
| 21% KOH. 1 grm + LiOH | 6703 | 967 | | |
| Each cell RUN COLD | 6704 | | | |


150
6681
6682
6683
6684 927
6685 970
6686 957
6687
6688
6689
6690
6691
6692
6693 1058
6694 1093
6695 1177
6696 1097
6697 967
6698 980
Set aside
Set aside

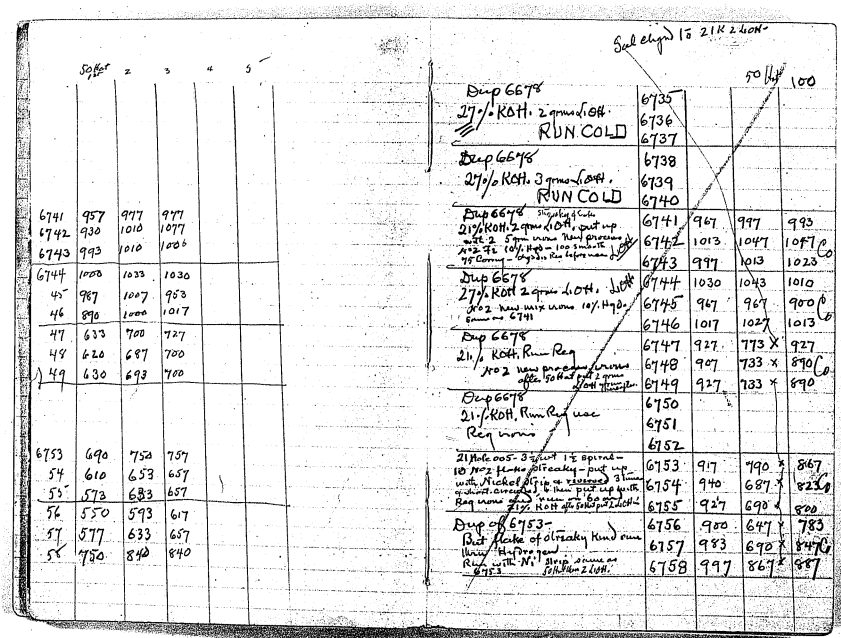
All has cloudy flakes

| | | | | | |
|---|---|---|---|---|---|
| Dup 6636 ~~21% KOH, Reversed~~ hot 2 dips against the strip when annealed by ~~one 24 hour~~ 21% KOH 24 hr cell | [illegible] | | | | |
| 21 Hole 005" plated with Nickel Twice as much as usual — 21% KOH, saturated with KOH. | 6666 6667 6668 | | | | |
| Dup 6666 — 21% KOH, 2 gms LOH, 2nd cell | [illegible] | | | | |
| Dup 6638 Assembled with Nickel strip as Reversed dips — 21% KOH Hot — | 6672 6673 6674 | | | | |
| Dup 6639 — ~~one~~ [illegible] Reversed in 21% KOH, 2 gm LOH 2nd cell | 6675 6676 | | | 50 | 100 |
| 21 Hole 005" Spiral 24 hrs 2 gms Iron 30 — 10 strike 70 illegible wheel catch — cable — Navy 20 left open ends annealing 24 gms | 6678 6679 6680 | 953 933 923 | 827 770 783 | | 833 773 800 |
| Dup 6678 21% KOH. Power off | 6705 6706 6707 | | 9 | | |
| Dup 6678 21% KOH. 2 gm LOH, Power off | 6708 6709 6710 | | | | |

Alpha absorbency tests

| | | | 4 hrs old 6 Hot |
|---|---|---|---|
| Dup 6678 | 6711 | | |
| 27% KOH. 2 grms LiOH. | 6712 | | |
| Somerhoff. | 6713 | | |
| Dup6678 | 6714 | 953 | 950 |
| 21% KOH. 100 Mlg LiOH in each cell | 6715 | 977 | 960 |
| RUN COLD | 6716 | 980 | 977 |
| Dup6678 | 6717 | 977 | 987 |
| 21% KOH. 200 Mlg LiOH each cell | 6718 | 957 | 970 |
| RUN COLD | 6719 | 970 | 978 |
| Dup6678 | 6720 | 987 | 1037 |
| 21% KOH. 500 Mlg LiOH Each cell | 6721 | 957 | 1037 |
| RUN COLD | 6722 | 960 | 990 |
| Dup6678 | 6723 | 980 | 1020 |
| 21% KOH. 1 grm LiOH each cell | 6724 | 997 | 1033 |
| RUN COLD | 6725 | 973 | 1033 |
| Dup 6678 | 6726 | 973 | 983 |
| 21% KOH. 2 grms LiOH Each cell | 6727 | 963 | 1017 |
| RUN COLD | 6728 | 953 | 1027 |
| Dup 6678 | 6729 | 990 | 1041 |
| 21% KOH. 3 grms LiOH Each cell | 6730 | 977 | 1030 |
| RUN COLD | 6731 | 993 | 1047 |
| Dup 6678 | 6732 | 933 | 897 |
| 27% KOH. 1 grm LiOH. | 6733 | 970 | 1017 |
| RUN COLD | 6734 | 930 | 917 |

| | 100 flat | 150 | 200 | 250 | 300 | 350 |
|---|---|---|---|---|---|---|
| 6711 | | | | | | |
| 6712 | | | | | | |
| 6713 | | | | | | |
| 6714 | 983 | 1010 | 1050 | 1030 | | |
| 6715 | 997 | 1036 | 1067 | 1050 | | |
| 6716 | 987 | 1043 | 1077 | 1057 | | |
| 6717 | 1027 | 1050 | 1083 | 1060 | | |
| 6718 | 1000 | 1010 | 1057 | 1050 | | |
| 6719 | 997 | 1027 | 1067 | 1050 | | |
| 6720 | 1067 | 1073 | 1110 | 1110 | | |
| 6721 | 1053 | 1063 | 1110 | 1100 | | |
| 6722 | 1007 | 1027 | 1063 | 1073 | | |
| 6723 | 1010 | 1027 | 1057 | 1067 | | |
| 6724 | 1033 | 1050 | 1060 | 1093 | | |
| 6725 | 1043 | 1050 | 1083 | 1100 | | |
| 6726 | 987 | 970 | 967 | 1050 | | |
| 6727 | 1013 | 1010 | 1043 | 1063 | | |
| 6728 | 1017 | 1010 | 1043 | 1067 | | |
| 6729 | 1030 | 1040 | 1060 | 1053 | | |
| 6730 | 1017 | 1010 | 1020 | 1027 | | |
| 6731 | 1043 | 1047 | 1060 | 1053 | | |
| 6732 | 867 | 853 | 877 | 937 | | |
| 6733 | 993 | 950 | 970 | 980 | | |
| 6734 | 867 | 847 | 900 | 940 | | |



Soffer 2 3 4 5

| | | | | |
|---|---|---|---|---|
| 6741 | 957 | 977 | 977 | |
| 6742 | 930 | 1010 | 1077 | |
| 6743 | 993 | 1010 | 1006 | |
| 6744 | 1000 | 1033 | 1030 | |
| 45 | 987 | 1007 | 953 | |
| 46 | 890 | 1000 | 1017 | |
| 47 | 633 | 700 | 727 | |
| 48 | 620 | 687 | 700 | |
| 49 | 630 | 693 | 700 | |
| 6753 | 690 | 750 | 757 | |
| 54 | 610 | 653 | 657 | |
| 55 | 573 | 633 | 657 | |
| 56 | 550 | 593 | 617 | |
| 57 | 577 | 633 | 657 | |
| 58 | 750 | 840 | 840 | |

Sat elgd 15 21K 24OH-

50 100

Dup 6678
27% KOH. 2 gms KOH.
RUN COLD

Dup 6678
27% KOH. 3 gms KOH.
RUN COLD

Dup 6678 Stippling Cells
21% KOH. 2 gms KOH. put up with 2 5 pm mins Nerf process #2 7% 10% H2O2 100 sec 15 75 Comp. Dyson Rm Reformin

Dup 6678
27% KOH 2 gms KOH. Set #2 new mix mins 10% H2O2 5 mins on 6741

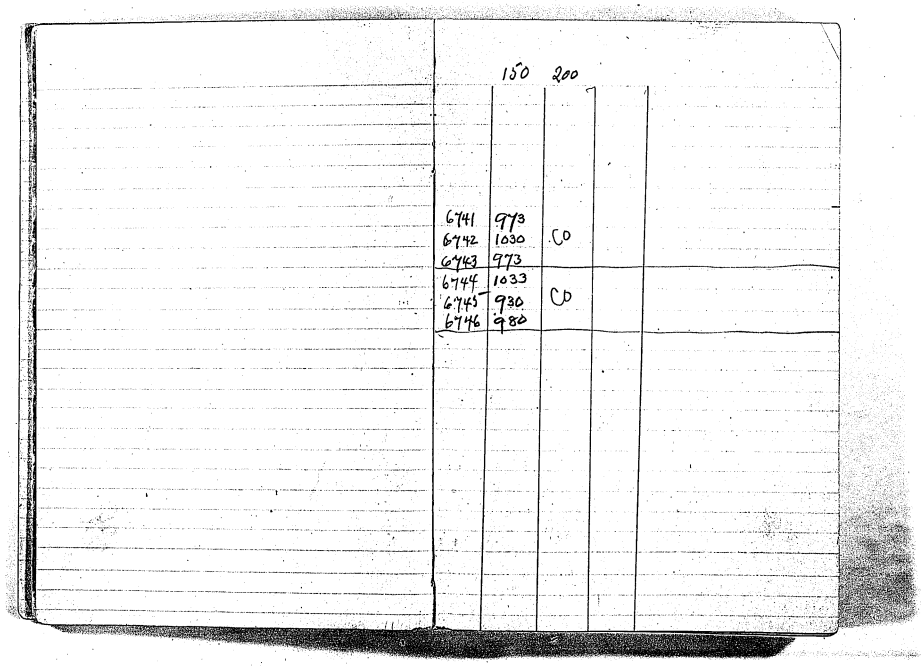
Dup 6678
21% KOH. Run Reg
#2 new mix mins 10% H2O2 5 mins on 6741 Stippling Cells after 30 Set put 2 gms KOH through

Dup 6678
21% KOH. Run Reg use Reg mins

21 Mole 005- 3 gms KOH 15 opinel - 10 N2 flow Streaky - put up with Nickel Strip as reference 2 min Reg mins 2 min 1 Set put up with 21% KOH 45 sec Stippling Cells

Dup of 6753-
Put flake of streaky Kind down Hydrogen peroxide with N2 strip 5 mins on 6753 Stippling Cells 21% KOH 2 GOH.

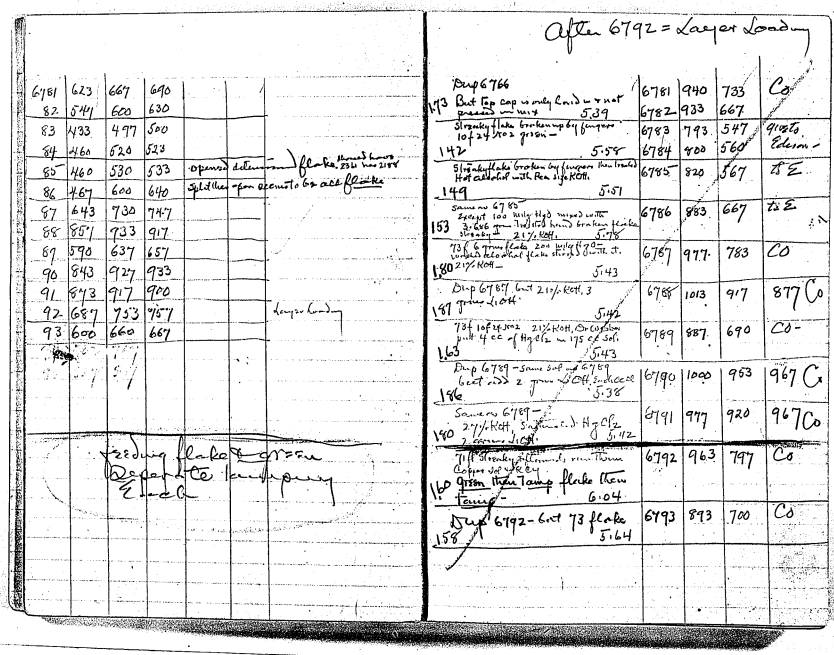
| | | | | |
|---|---|---|---|---|
| 6735 | | | | |
| 6736 | | | | |
| 6737 | | | | |
| 6738 | | | | |
| 6739 | | | | |
| 6740 | | | | |
| 6741 | 967 | 997 | 993 | |
| 6742 | 1013 | 1047 | 1047 | |
| 6743 | 997 | 1013 | 1023 | |
| 6744 | 1030 | 1043 | 1010 | |
| 6745 | 967 | 967 | 900 | |
| 6746 | 1017 | 1027 | 1013 | |
| 6747 | 927 | 773 X | 927 | |
| 6748 | 907 | 733 X | 870 | |
| 6749 | 927 | 733 X | 890 | |
| 6750 | | | | |
| 6751 | | | | |
| 6752 | | | | |
| 6753 | 917 | 790 X | 867 | |
| 6754 | 940 | 687 X | 823 | |
| 6755 | 927 | 698 X | 800 | |
| 6756 | 900 | 647 X | 783 | |
| 6757 | 983 | 690 X | 847 | |
| 6758 | 997 | 867 X | 887 | |


150 200
6741 973
6742 1030 CD
6743 973
6744 1033
6745 930 CD
6746 980

| | 50 Kol 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| 6759 | 643 | 700 | 780 | | | | |
| 60 | 667 | 733 | 800 | | | | |
| 61 | 717 | 773 | 727 | | | | |
| 6765 | 613 | 660 | 690 | | | | |
| 66 | 593 | 640 | 640 | | | | |
| 67 | 713 | 773 | 783 | | | | |
| 68 | 640 | 690 | 707 | | | | |
| 69 | 983 | 990 | 993 | | | | |
| 70 | 693 | 810 | 843 | | | | |
| 71 | 907 | 933 | 867 | | | | |
| 6772 | 1060 | 1000 | 990 | | | | |
| 73 | 623 | 890 | 883 | | | | |
| 74 | 610 | 623 | 640 | | | | |
| 75 | 760 | 877 | 877 | | | | |
| 76 | 763 | 880 | 833 | | | | |
| 77 | 333 | 823 | 800 | | | | |
| 78 | 700 | 770 | 787 | | | | |
| 79 | 610 | 667 | 687 | | | | |
| 80 | 713 | 783 | 800 | | | | |

Loaded 6774 Hopper 1.7 Lbs.

| | | | | |
|---|---|---|---|---|
| Dup of 6753- best streaky flakes used until Less than 1/4 = also in Copper dof agum — 21%. | 6759 | 997 | 747 | Co |
| | 6760 | 1050 | 787 | |
| | 6761 | 1067 | 850 | |
| Dup 6753 — Reg streaky flakes — Reg mixable with 2 more reqm Reg in 21% KOH. | 6762 | 880 | | Load cell 2 |
| | 6763 | 883 | | |
| | 6764 | 930 | | |
| Dup of 6759 — Except 2 more = qm Reg — 21% KOH, | 6765 | 1060. | 730 | Co |
| | X | | | |
| 21 Holes 005 3½ 73 flake 5½ mm Hopper offered 1.2 gms 30 mesh 10 of 24 8 21% — 5.58 | 6766 | 897 | 667 | Co |
| | 6767 | 920 | 823 | |
| | 6768 | 913 | 733 | |
| Dup 6766. 73 21% KOH. 2 grms Li OH each coll. 5.48 | 6769 | 990 | 1000 | 980 Co |
| | 6770 | 997 | 883 | 863 |
| 1.8 | 6771 | 960 | 890 | 857 |
| Dup 6766 except 27% NaOH 2 grms Li OH. 5.49 | 6772 | 987 | 977 | 823 Co |
| | 6773 | 1007 | 923 | 890 |
| 181 | 6774 | 993 | 633 | 483 |
| Dup 6766 21% KOH 1 grm Li OH 5.51 | 6775 | 990 | 917 | 983 Co |
| | 6776 | 993 | 863 | 953 |
| 177 | 6777 | 947 | 813 | 867 |
| Dup 6766. Bulk 60/80 size Ni flake not Thru H 21% KOH 5 flake 24 No2 grm 6.28 | 6778 | 53 3 | 827 | Co |
| | 6779 | 1003 | 727 | |
| 161 | 6780 | 1027 | 847 | |



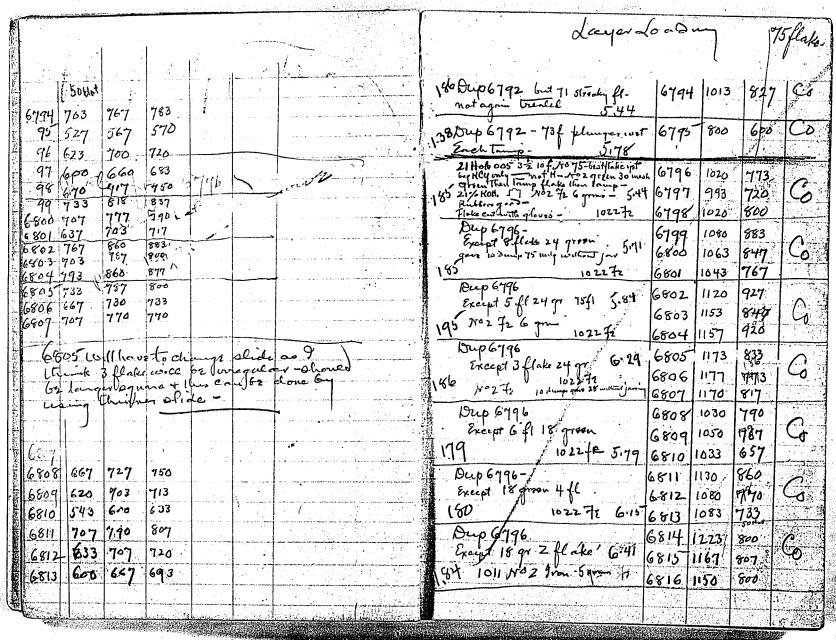
| | | | | | | |
|---|---|---|---|---|---|---|
| 6781 | 623 | 667 | 690 | | | |
| 82 | 544 | 600 | 630 | | | |
| 83 | 433 | 497 | 500 | | | |
| 84 | 460 | 520 | 523 | | | |
| 85 | 460 | 530 | 533 | opened Edelman flake, Hunt's lamp 2311 was 2184 | | |
| 86 | 467 | 600 | 640 | Split the open account to 6a acc flake | | |
| 87 | 643 | 730 | 747 | | | |
| 88 | 887 | 733 | 917 | | | |
| 89 | 590 | 637 | 657 | | | |
| 90 | 843 | 927 | 933 | | | |
| 91 | 873 | 917 | 900 | | | |
| 92 | 687 | 753 | 757 | Lawyer Loading | | |
| 93 | 600 | 660 | 667 | | | |

Key

Loading flake Lawyer
Depositor Company
Edel

After 6792 = Lawyer Loading

| | | | | | |
|---|---|---|---|---|---|
| Dup 6786 | 6781 | 940 | 733 | Co | |
| 143 But Top cap is only Cond — not pressed — very 5.39 | 6782 | 933 | 667 | | |
| Stranky flake broken up by tongue | 6783 | 793 | 547 | 917 Co | |
| 142 10 of 24 to 2 grain — 5.58 | 6784 | 800 | 560 | Edelman | |
| Slanky flake Broken by tongue Hot calibrated with Res 21% KOH. | 6785 | 820 | 567 | to E | |
| 149 5.51 | | | | | |
| Same as 6785 except 100 Billy Hyd mixed with 153 2.656 gm Tin/Hyd brand broken flake Stranky # 21% KOH 5.78 | 6786 | 883 | 667 | to E | |
| 73f 6 gram flake 200 Billy Hyd Unlabeled Calibrated flake strong 8 Sent. st. 150 21% KOH 5.43 | 6787 | 977 | 783 | CO | |
| Dup 6787 Cut 21% KOH 3 | 6788 | 1013 | 917 | 877 Co | |
| 147 Jones Loff 5.42 | | | | | |
| 73f 10f 24 to 2 21% KOH, Or custom 163 pulk 4 cc of Hg Cl2 in 175 cc of Sol. 5.43 | 6789 | 887 | 690 | CO- | |
| Dup 6789 — Same Cut and 6789 Cut add 2 gram Loff, Schecce 146 5.38 | 6790 | 1000 | 953 | 967 Co | |
| Same as 6789 — 140 21% KOH, Same as 6789 Hg Cl2 2 gram Loff 5.42 | 6791 | 977 | 920 | 967 Co | |
| Tiff Stranky flake, Removed from Copper Set up by 160 gram Hunt Lamp flake Hunt Lamp 6.04 | 6792 | 963 | 797 | Co | |
| Dup 6792 - Cut 73 flake 158 5.64 | 6793 | 893 | 700 | Co | |



| | 50 blot | | |
|---|---|---|---|
| 6794 | 763 | 767 | 783 |
| 95 | 527 | 567 | 570 |
| 96 | 623 | 700 | 720 |
| 97 | 600 | 660 | 683 |
| 98 | 670 | 717 | 750 |
| 99 | 733 | 818 | 837 |
| 6800 | 707 | 777 | 790 |
| 6801 | 637 | 703 | 717 |
| 6802 | 767 | 860 | 883 |
| 6803 | 703 | 767 | 899 |
| 6804 | 793 | 866 | 877 |
| 6805 | 733 | 797 | 800 |
| 6806 | 667 | 730 | 733 |
| 6807 | 707 | 770 | 770 |

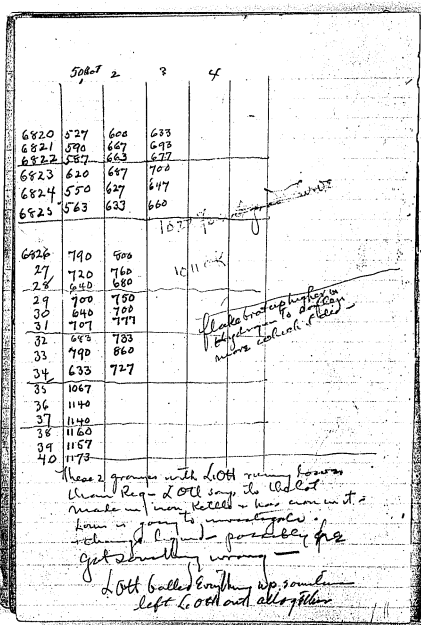
6805 will have to change slide as 9 thick 3 flake once to Juniper Lav - showed to long lagoona + then end to done by using thicker slide -

| | | | |
|---|---|---|---|
| 6808 | 667 | 727 | 750 |
| 6809 | 620 | 703 | 713 |
| 6810 | 543 | 600 | 633 |
| 6811 | 707 | 790 | 807 |
| 6812 | 633 | 707 | 720 |
| 6813 | 600 | 667 | 693 |

Layer Lo a Dun

75 flakes

| | | | | |
|---|---|---|---|---|
| 180 Dup 6792 but 71 strokes ft- not again treated 5.44 | 6794 | 1013 | 827 | Co |
| 178 Dup 6792 - 73 f plunger rest Each Temp. 5.78 | 6795 | 800 | 600 | Co |
| 185 21 Hob .005 3-2 10 f/10 75-best flake opt by NCH only not th- N°2 grain 30 wash 21½ KOH 1.7 N°2 7z 6 grains - 5.49 Ribbon grain 1022 7z Flake and with gloves - | 6796 | 1020 | 773 | Co |
| | 6797 | 993 | 720 | |
| | 6798 | 1020 | 800 | |
| Dup 6796 Except 8 flake 24 grain 185 grain to dump 75 only 1022 7z | 6799 | 1080 | 883 | Co |
| | 6800 | 1063 | 847 | |
| | 6801 | 1043 | 767 | |
| Dup 6796 Except 5 ff 24 gr 75 f 5.84 195 N°2 7z 6 grn 1022 7z | 6802 | 1120 | 927 | Co |
| | 6803 | 1153 | 847 | |
| | 6804 | 1157 | 920 | |
| Dup 6796 Except 3 flake 24 gr 6.29 186 N°2 7z 1022 7z 10 dump grn 38 wash grain | 6805 | 1173 | 833 | Co |
| | 6806 | 1177 | 793 | |
| | 6807 | 1170 | 817 | |
| Dup 6796 Except 6 ff 18 grain 179 1022 7z 5.79 | 6808 | 1030 | 790 | Co |
| | 6809 | 1050 | 787 | |
| | 6810 | 1033 | 657 | |
| Dup 6796 - Except 18 grain 4 ff 180 1022 7z 6.15 | 6811 | 1130 | 860 | Co |
| | 6812 | 1080 | 770 | |
| | 6813 | 1083 | 733 | |
| Dup 6796 Except 18 gr 2 ff flake 6.41 184 1011 N°2 grain 5 grain 17 | 6814 | 1223 | 800 | Co |
| | 6815 | 1167 | 807 | |
| | 6816 | 1150 | 800 | |



| 50ft | 2 | 3 | 4 |
|---|---|---|---|
| 6820 | 527 | 600 | 633 |
| 6821 | 590 | 667 | 693 |
| 6822 | 587 | 663 | 677 |
| 6823 | 620 | 687 | 700 |
| 6824 | 550 | 627 | 647 |
| 6825 | 563 | 633 | 660 |
| | | 1027 | 10 |
| 6826 | 790 | 900 | |
| 27 | 720 | 760 | 10 11 |
| 28 | 640 | 680 | |
| 29 | 700 | 750 | |
| 30 | 640 | 700 | |
| 31 | 707 | 777 | |
| 32 | 683 | 733 | |
| 33 | 790 | 860 | |
| 34 | 633 | 727 | |
| 35 | 1067 | | |
| 36 | 1140 | | |
| 37 | 1140 | | |
| 38 | 1160 | | |
| 39 | 1157 | | |
| 40 | 1173 | | |

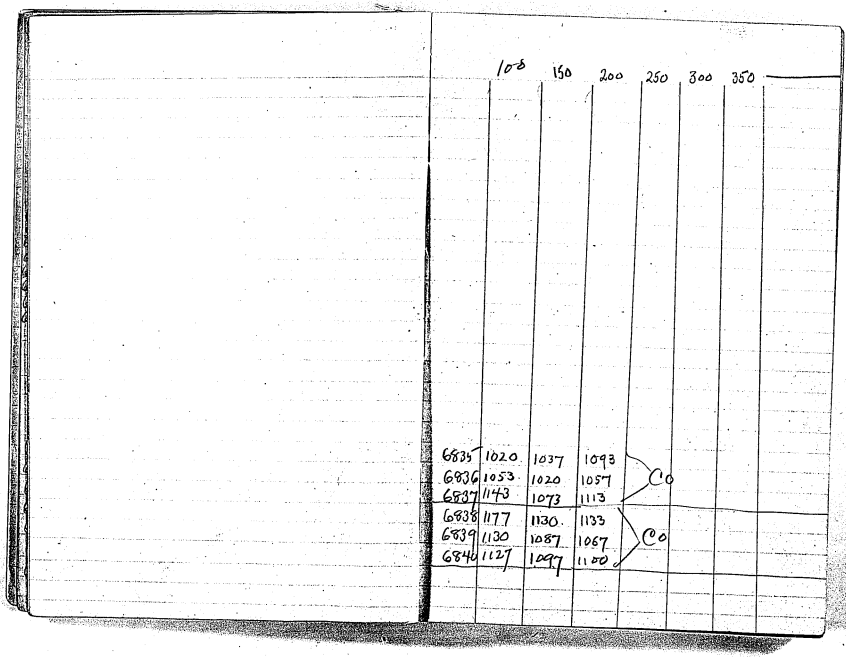
flake broke up higher in Hyd. zone to dryer more colloid. flake

These 2 groups with L.OH running loosen Chrom Reg - L.OH soup. Its oddest Made me very excited - how can we get it running in manufacture. Notice Lignite - pore size of 2 get shrinking wrong —

L.OH boiled Everything up, some left L.OH and ate it all

Layer Loading 75ft

| | | 50ft | 100 |
|---|---|---|---|
| 21 Holes 005 3½ Nos 30 mesh Flake Wm Hydrogel - east glass — Trs No2 ¾ L yellow Trans Trans flake Temp - 217 Koff. low heat - 1 Hr. 18 Trans 2 flake defined - flake 2 [illegible] 1011 7250 | 6817 | 1100 | 680 | C |
| | 6818 | 1050 | 640 | |
| | 6819 | 1053 | 643 | |
| Dup 6817 3 hour | 6820 | 1120 | 660 | |
| Except 18 grn 4 flake 180 flake not high enough Hr. 1022 7a1 6.21 | 6821 | 1127 | 733 | C |
| | 6822 | 1100 | 727 | |
| Dup 6817 3 hour | 6823 | 1017 | 753 | |
| Except 18 grain 6 flake 181 flake not high enough 2 Hr. 1022 7a 5.81 | 6824 | 1030 | 693 | C |
| | 6825 | 1017 | 713 | |
| Dup of 6820 - on the same flake but by higher heat in Hydrogen good to 6 soft 189 ft 185 Trans 3 grain 5.138 | 6826 | 1130 | 867 | |
| | 6827 | 1147 | 910 | C |
| | 6828 | 1130 | 783 | |
| Dup of 6823 with same flaked broke up higher in Hydrogen to soft — 188 Trans 3 grain 5.97 | 6829 | 1130 | 850 | |
| | 6830 | 1117 | 823 | C |
| | 6831 | 1123 | 877 | |
| 2 H 10 [illegible] 3½ 2 grain Trans 30 - 5 soft Trans Wt. 1 Sep 4 grain Ba [illegible] 188 6.09 | 6832 | 1133 | 823 | |
| | 6833 | 1150 | 900 | C |
| | 6834 | 1150 | 837 | |
| Dup 6832 | 6835 | 1035 | 1113 | 1010 |
| Except 1 grain L.OH. 174 6.05 | 6836 | 1063 | 1090 | 1010 |
| | 6837 | 1060 | 1090 | 1067 |
| Dup 6832 | 6838 | 1023 | 1110 | 1077 |
| Except 2 grain L.OH. 167 6.11 | 6839 | 1003 | 1107 | 1050 |
| | 6840 | 1020 | 1137 | 1090 |


100
150
200
250
300
350
6835 1020 1037 1093
6836 1053 1020 1057
6837 1143 1073 1113
6838 1177 1130 1133
6839 1130 1087 1067
6840 1127 1097 1100
C1
C2

75 flake Plain Cymric process with Hot Water trash afterwards —

Socket
5411 | 793 | 850
1/2 | 793 | 877
1/3 | 823 | 877

With Stops 4½ Feed

Plunger lined up - stricker heavy blow "D" 1 Knock 2 rebounds -

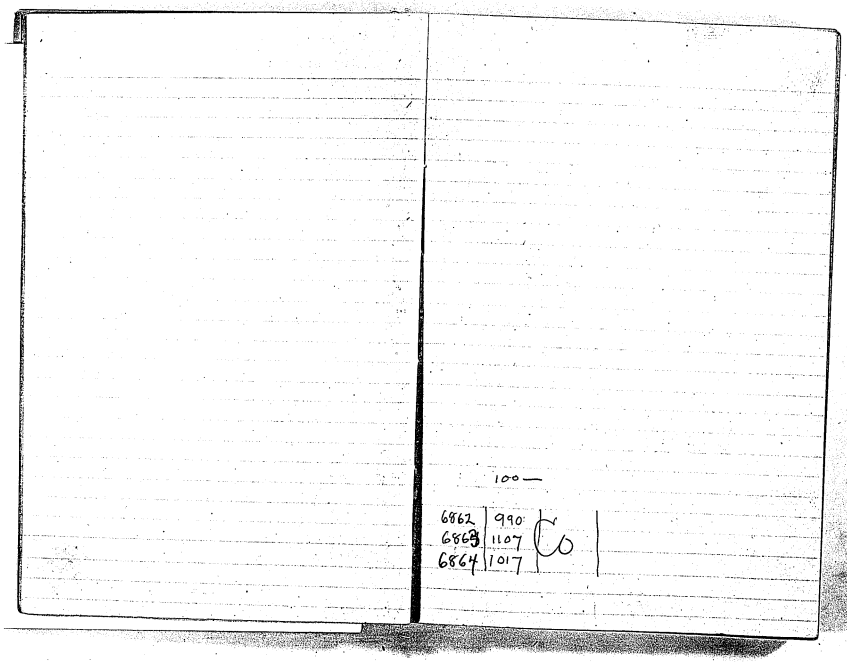
75 ft Mouth more fits Coulson of groove Sticks to it - Grain compressed so it looks very grainy like old "Regular" -

83 flake

Plunger lined up and takes to about here Heavy galvanised x Buffed End —

Longer Loading
New lined up rod heavy blow

| | | 50 | 75 |
|---|---|---|---|
| 21 Hole cone 1½ sp 1½ 6pl - | 6841 | 1127 | 950 |
| 191 flakes 5 oft Hydrogen 24 No 2 green | 6842 | 1130 | 963 |
| 1011 RA 9mm Mouth 5.92 | 6843 | 1133 | 973 |
| 21 Hole cone 1½ sp 1½ 75 ft Mouth H. oft Charge 5 grains fulminate Coulson 6844 24 No 2 Mouth 75 ft | 6844 | 1107 | 983 |
| 183 2½ Very RA 1011 75 ft 5 grains Longer loading green 20 — 5.964 | 6845 | 1107 | 967 |
| | 6846 | 1063 | 933 |
| Dup 6844 | 6847 | 1087 | 973 |
| Except 7 flakes 24 gr 182 5.93 | 6848 | 1080 | 953 |
| | 6849 | 1093 | 963 |
| Dup 6844 | 6850 | 1090 | 953 |
| Except 8 flakes 24 green — 194 5.87 | 6851 | 1077 | 947 |
| | 6852 | 1060 | 940 |
| Dup 6844 | 6853 | 1013 | 833 |
| Except 6 of 24 green 75 ft Mouth 176 5.95 | 6854 | 1017 | 847 |
| | 6855 | 1020 | 867 |
| Dup 6844 | 6856 | 1013 | 850 |
| 183 Except 7 flakes 24 green No 2 flakes 75 Not Mouth 5.86 | 6857 | 1017 | 850 |
| | 6858 | 1057 | 903 |
| Dup 6844 | 6859 | 1017 | 847 |
| 178 Except 8 flakes 24 No 2 green 75 f Not Mouth 5.73 | 6860 | 983 | 830 |
| | 6861 | 1020 | 880 |
| Dup 6844 | 6862 | 1070 | 1150 |
| Except 21 6 Hole 2 grains Cost. | 6863 | 1077 | 1153 |
| 178 75 f 5.99 | 6864 | 1067 | 1150 |


100—
6862 990
6863 1107
6864 1017

Notice

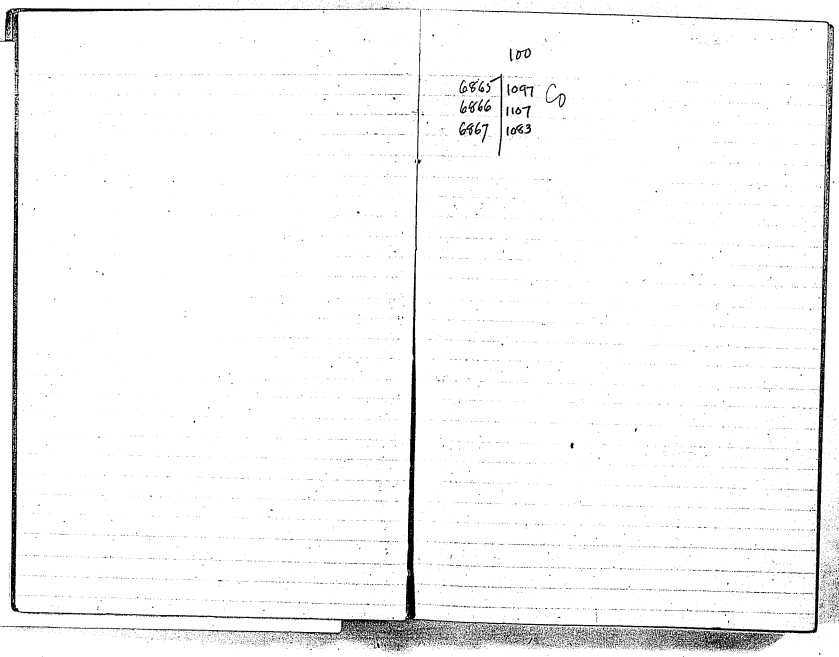
* Many flake burned up against tube — the flame of coal often — distant [illegible] to handle from flame but not so much above many flakes in each dump the flakes were only a little [illegible] from the decks of tube = 3 flame tubes. Absorbers gave. Capacity Unable to keep [illegible] Cracked right along

83 flake Cap Sample pressure Cold wash
Wash — distilled —
Width 44
1000

84 flake [illegible] Cap 200 in Kg
Cool [illegible]
Soft [illegible] Flake 12 hours in 4 changes
Distilled $H_2O$ wash — Cracking [illegible] water

Layer Loading — 75 ft

| | New dumb up rod heavy 6 flame hardened - planished - | 25 Hott | |
|---|---|---|---|
| Dup 6844 | | | |
| Except 6 f 24 No 2 gr | 6865 | 1060 | 1103 |
| ft 75 not Thru H — 2 grams Kott. | 6866 | 1087 | 1133 |
| 179 6.00 | 6867 | 1077 | 1113 |
| 21 Hydrocarbons 1½ spl 3½ wt — | | | |
| 75 ft Thru H soft — 4 mily 75 flake | 6868 | 1090 | 907 |
| Thru H soft. 16 mily No 2 grain | 6869 | 1097 | 953 |
| Thru 20 — 21% Kott. | 6870 | 1100 | 903 |
| 179 6.01 | | | |
| * Dup 6864 | | | |
| Except 36 grain 10 ft 75 Thru H | 6871 | 1043 | 930 |
| Soft. 21% Kott. | 6872 | 1053 | 960 |
| 179 5.85 | 6873 | 1057 | 927 |
| Dup 6868 | | | |
| 24 Thru Hole 20 4 flake No 75 | 6874 | 1093 | 960 |
| Thru H — Bare Nickel grid rod | 6875 | 1087 | 960 |
| 196 not Ret 10 ft grid rod — 21% Kott. 5.85 | 6876 | 1090 | 980 |
| 21 Hydrocarbons 1½ spl 3½ | | | |
| 4 flake No 75 Thru H soft | 6874 | 1083 | 913 |
| 174 36 No 2 grain Thru 20 | 6878 | 1080 | 907 |
| 21% Kott. 6.19 | 6879 | 1070 | 913 |
| 21 Hydrocarbons 1½ spl 3½ wt. 36 No 2 grain 4 flake No 75 Thru H soft — 2 wash CP Nickel Electrical from 65 hours room To 250 hours 2 grain Thru 2 (wash dissolved with the flake and Thru by hand — 10 c/m of flake cover 2 mill on each 3/8 Bare Nickel Rod) with 21½ Kott. | 6880 | 1053 | 937 |
| 1750 5.93 | 6881 | 1057 | 950 |
| | | | 8 |
| Dup 6880 Except 24 grain 4 flake | 6882 | 987 | 863 |
| No 75 Thru H soft — 2 mills each | 6883 | 980 | 850 |
| dump — 21% Kott. | | | |


100
6865 1097 CO
6866 1107
6867 1083

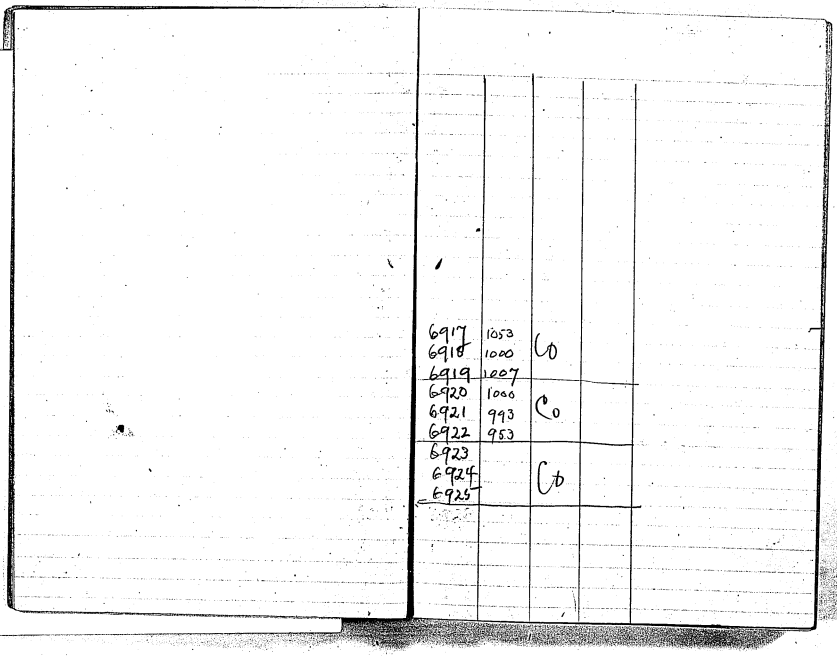
Longer Loads

25

| | | | | |
|---|---|---|---|---|
| 21 Hob 005 1½ spl 3½ cut. No 2 grain mixed with 10% by wt of Chloride Potash — thru 50 sieve on 100 — used 24 mix thru mixer like No 75 Hercules put — from KOH | 6884 | 997 | 910 | Co |
| | 6885 | 977 | 910 | |
| | 6886 | 920 | 857 | |
| 180 Dup 6884 — 5.34 green | | | | |
| | 6887 | | | |
| Except 5% by weight Lithium Carb ground in pebble mill 24 hrs of mix + flake N° ____ then Hydrogen + Soak 48 hours and change the KOH-send up steam | 6888 | Cancelled | | |
| | 6889 | | | |
| 21 Hob 005 1½ spl 3½ cut 70% RA. grain — 5% by weight Chloride Potash ground in pebble mill 24 hrs — Soak 24 hours change KOH soak 24 hours more change KOH soak 24 hours — then — 24 hrs in mix-7 flake 84 — Heavy stirring — 5.91 mix 5.61 green | 6890 | 1006 | 870 | Co |
| | 6891 | 1017 | 903 | |
| 181 | 6892 | 1027 | 933 | |
| Dup 6890 Except 15% KOH 87% mix mixed with No 2 70% RA grain 84 # flake 4.89 % 190 1011 RA 71 — soaked Twice 24 h each, 21% KOH. | 6893 | 986 | 910 | Co |
| | 6894 | 933 | 893 | |
| | 6895 | 903 | 863 | |
| Dup 6890 — Except 20% KOH. 1029 RA 71 — 5.72 mix 4.67 green | 6896 | 830 | 790 | Co |
| | 6897 | 847 | 820 | |
| 185 | 6898 | 867 | 850 | |
| Dup 6890 Except 30% KOH — 1029 RA 71 — 5.63 mix 3.94 green | 6899 | 670 | 650 | Co |
| | 6900 | 620 | 593 | |
| 186 | 6901 | 677 | 660 | |

KCl, and Lenses loaded

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | 25 | 75 |
| | Dup 6890 10% KCl- RA 1029 Fs. | | 6902 | 1000 | 930 | |
| 156 | | 5.90 mip | 6903 | 990 | 893 | Co |
| | | 5.31 gram | 6904 | 977 | 913 | |
| | 21 Hole 005" 1½ apl- 5% KCl RA 1018 gram KCl powder RA 1029 Fs. 24 @ mip 7 Holes Hole 8 @ Thick 11-24hr sept = Lenses Empty - South Twin 24 - Room 33% 10 drops Hole 6 @ 5.67 gram | | 6905 | 880 | 633 | |
| | | | 6906 | 885 | 627 | Co |
| | | | 6907 | 883 | 633 | |
| | Dup 6905 | | 6908 | 837 | 597 | |
| 158 | 10% KCl- powder | | 6909 | 833 | 563 | Cd |
| | 33% KOH. | 5.36 gram | 6910 | 843 | 580 | |
| | Dup 6905 sept flow 84 | | 6911 | 880 | 593 | |
| 159 | 15% KCl- powder | | 6912 | 843 | 560 | Cd |
| | 33% KOH. | 5.13 gram | 6913 | 883 | 593 | |
| | Dup 6905 = sept 84 | | 6917 | 917 | 1027 | 1047 |
| 161 | 5% KCl powder | | 6918 | 933 | 1047 | 1010 |
| | 21% KOH 2 grams Li OH. | 5.79 gram | 6919 | 940 | 1027 | 1037 |
| 163 | Dup 6905 | | 6920 | 940 | 1010 | 1020 |
| | 10% KCl powder | | 6921 | 913 | 997 | 1027 |
| | 21% KOH 2 grams Li OH. | 5.59 gram | 6922 | 887 | 973 | 990 |
| | Dup 6905 | | 6923 | 817 | 937 | 943 |
| 155 | 15% KCl powder | | 6924 | 817 | 913 | 917 |
| | 21% KOH 2 grams Li OH. | 5.23 gram | 6925 | 813 | 920 | 947 |


6917 1053
6918 1000 Co
6919 1007
6920 1000
6921 993 Co
6922 953
6923
6924 Co
6925

flake cut with glove

Hollands measurements show all nickel flake gives very low contrast Rs between flake & fraction of ohm practically nothing

Old way means the bevelled ledge for green, the ⌐L stirrer + the instrument by means of the flake tabletop from as many drops before given strokes Reamer — the rod Knife pump Sector count 6 only 237 dia drops 2 edges Handpaper — Cleaned from new mould & flakes 3 more larger than normal Feed —

86 is good flake Copper pressure — Klg would often be ahead — then Mean distilled $H_2O$ finally boiling water Tough perfect flake Hyd is brighter than with both

86 flake gives more Counts to plunger than 41 = at least more Counts than 6941 prompt head —

Split open packets 6941 show no flake turning up Cuttle edges more even than Zero of unbeep —

* 5 degs left is Zero the way machine is wts so its put to 15 to left wheel is nearly 10 —

## Layer loading

| | 2 Thou | 1 Thou | |
|---|---|---|---|
| 21 KoH 005 1½ = 24 No 2 grm 708 Kg 10 of 75 nut Thin 20 grm — 10 of 1 by Key grm on Thin 707 RA — Thin 237 grm in Brown Loading Double Tamp 3 drop Zero Barrel Edge standing for operation ⌐L Stirrer Tamp 5 237 along Edge pressed — Reamer Key pressure 21% KOH, 5.34 grm | 6934 | 957 | 883 | C |
| Dup 6932 21% KOH, 2 grm 4 OH — 75 nut H. 5.35 | 6935 | 917 | 957 | 953 |
| | 6936 | 913 | 957 | 938 C |
| | 6937 | 883 | 933 | 900 |
| Dup 6932 475 nut H — 33% KOH, 5.33 | 6938 | 713 | 543 | C |
| | 6939 | 733 | 530 | O |
| | 6940 | 747 | 600 | |

## Old way loading

| | | | | |
|---|---|---|---|---|
| 21 Hole 005 - 1½ 21½ weight — 10 of No 75 nut H grm 24 No 2 grm 708 RA — thin 237 grm in Brown Loading Double Tamp 3 drop Zero Barrel Edge standing for operation ⌐L Stirrer Tamp 5 237 along Edge pressed — Reamer Key pressure 21% KOH, 5.30 | 6941 | 893 | 827 | C |
| | 6942 | 953 | 883 | |
| | 6943 | 940 | 910 | |
| | | | 2 Thou | |
| Dup 6941 21½ KOH 2 grm 4 OH, each cell — 2 Thou under Zero 5.21 | 6944 | 1000 | 1027 | 1018 |
| Flake No 86 nut H | 6945 | 1027 | 1030 | 1020 |
| | 6946 | 1030 | 1053 | 1030 |
| Dup 6941 flake pump 10 degrees to left 21% KOH, Flake No 86 nut H, 5.20 | 6947 | 970 | 830 | |
| | 6948 | 947 | 780 | C |
| * | 6949 | 960 | 827 | |

flake cut with glove

# 2½ lb cut

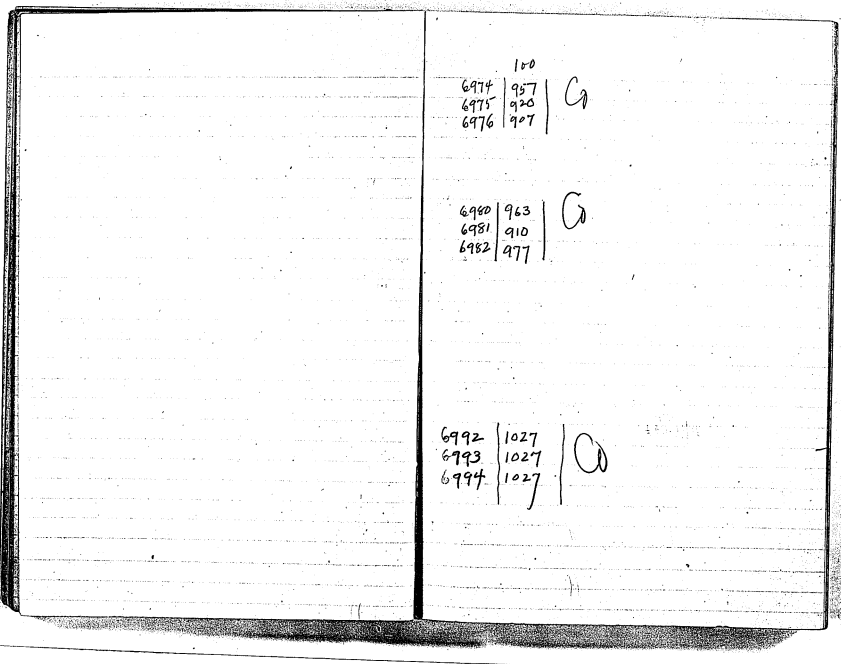
| | | | 26 Thou | 75 HH |
|---|---|---|---|---|
| Dup 6941 | | | | |
| 10 degrees To left 6 cut 21% KOH | 6950 | 1020 | 1027 | 993 |
| 2 gms. di OH each cell. 5.18 | 6951 | 1020 | 1037 | 997 C |
| Flake No 86 2½ wt H | 6952 | 1050 | 1057 | 1017 C |
| Dup 6941 | 6953 | 980 | 873 | C |
| 20 degrees To left — 21% KOH, Flake 86 | 6954 | 950 | 787 | |
| wt H 2½ wt 5.15 | 6955 | 1020 | 877 | |
| Dup 6941 | 6956 | 1037 | 1013 | 997 |
| 20 degrees To left - 21% KOH. | 6957 | 1027 | 1000 | 980 C |
| 2 gms di OH each cell. | 6958 | 1040 | 1047 | 1017 |
| Flake No 86 wt H. 2½ wt 5.10 | | | | |
| Dup 6941 - | 6959 | 950 | 793 | C |
| 30 degrees to left 21% KOH. | 6960 | 937 | 787 | |
| Flake No 86 wt H. 2½ wt 5.12 | 6961 | 920 | 727 | |
| Dup 6941 | 6962 | 1023 | 1017 | C |
| 30 degrees To left — | 6963 | 1023 | 997 | |
| 21% KOH 2 gms di OH each cell — | 6964 | 1023 | 997 | |
| Flake No 86 — wt H. 5.09 | | | | |
| Dup 6941 - Except 86 Flake | 6965 | 1013 | 867 | C |
| thru Hydrogen 21% KOH. | 6966 | 1017 | 883 | |
| Zero under 2½ wt 5.43 | 6967 | 1013 | 890 | |
| Dup 6941 Except 86 Flake thru | 6968 | 1043 | 1053 | 1023 C |
| Hydrogen 2 grams di OH | 6969 | 1040 | 1037 | 1000 C |
| each cell — | 6970 | 1013 | 1027 | 1007 |
| visit Zero under 5.38 | | | | |
| Dup 6941 - Except 86 thru | 6971 | 1067 | 983 | C |
| Hydrogen | 6972 | 1047 | 940 | |
| 70 degrees To left, | 6973 | 977 | 810 | |
| 21% KOH, 2½ wt 5.32 | | | | |

flake cut with gloves

7 flake

2 1/2 lb cut

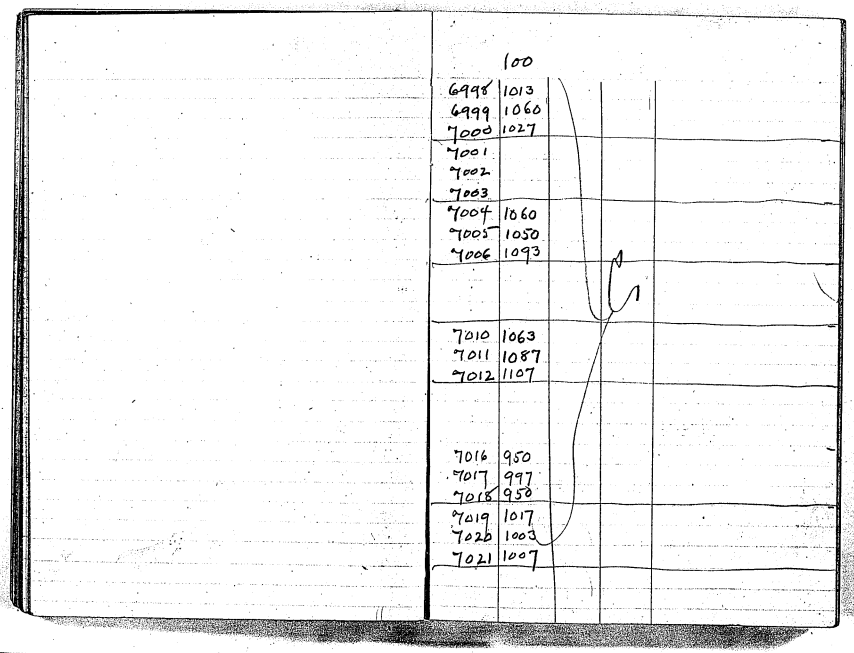
| | | | 25 Thick | 4 5/4 H |
|---|---|---|---|---|
| Dup 6941 Except 86 flakes Thin H. | 6974 | 1030 | 1010 | 1000 |
| 198 10 degrees To left 21% KOH. | 6975 | 1040 | 1013 | 983 |
| 2 grms LiOH encircle — | 6976 | 1060 | 993 | 970 |
| 2 1/2 wt 5.43 | | | | |
| Dup 6941 — 86 flake Thin H. | 6977 | 1073 | 940 | |
| 199 20 degrees To left — | 6978 | 1050 | 880 | |
| 21% KOH. | 6979 | 1048 | 793 | |
| 2 1/2 wt 5.30 | | | | |
| Dup 6941 86 flake thin H. | 6980 | 1053 | 1063 | 1050 |
| 197 20 degrees To left. | 6981 | 1050 | 1057 | 1037 |
| 21% KOH, 2 grms LiOH | 6982 | 1040 | 1063 | 1050 |
| 2 1/2 wt 5.31 | | | | |
| Dup 6941 86 flake thin H — | 6983 | 1010 | 820 | |
| 184 30 degrees To left. | 6984 | 1000 | 857 | |
| 21% KOH. | 6985 | 993 | 857 | |
| 2 1/2 wt 5.43 | | | | |
| Dup 6941 86 flake Thin H. | 6986 | 1060 | 980 | |
| 184 30 degrees left. | 6987 | 1077 | 977 | |
| 21% KOH 2 grms LiOH. | 6988 | 1013 | 987 | |
| 2 1/2 wt 5.45 | | | | |
| Dup 6941 Except 10 deg To | 6989 | 1027 | 900 | |
| 190 left 7 flake 86 not Thick H. | 6990 | 1013 | 843 | |
| 21% KOH 2 1/2 wt 5.54 | 6991 | 1013 | 910 | |
| Dup 6941 Except 10 deg To | 6992 | 1033 | 1091 | 1020 |
| 191 left 7 flake 86 not Thin H. | 6993 | 1030 | 1040 | 1013 |
| 21% KOH 2 grms LiOH. | 6994 | 1027 | 1040 | 1017 |
| 2 1/2 wt 5.57 | | | | |
| Dup 6941 Except 20 deg To | 6995 | 1060 | 1023 | |
| 187 left 7 flake 86 not thin H. | 6996 | 983 | 864 | |
| 21% KOH - 2 1/2 wt 5.50 | 6997 | 967 | 813 | |


100
6974 957
6975 920
6976 907
C9
6980 963
6981 910
6982 977
C9
6992 1027
6993 1027
6994 1027
C9

86-Co grown weak Ky after wash
Chem $H_2O$ then Boiling $H_2O$ — Tough flake

$2\frac{1}{2}$. 28 wt

| | | | 25 Hot | 85 |
|---|---|---|---|---|
| Disp 6941 20 deg to left | 6998 | 1007 | 1037 | 1000 |
| 191 7 flake 86 not thru H. | 6999 | 1037 | 1063 | 1040 Co |
| 21% KOH. 2 grms 1.0H. | 7000 | 1020 | 1087 | 1000 |
| $2\frac{1}{2}$ wt 5.51 | | | | |
| Dup 6941 – 10 deg To left | 7001 | 1067 | 977 | 956 |
| 188 7 flake 86 Through Hydrogen | 7002 | 1093 | 1053 Co | 1017 |
| 21% KOH. $2\frac{1}{2}$ wt 5.69 | 7003 | 1067 | 957 | 917 |
| Dup 6941 10 deg To Left | 7004 | 1063 | 1087 | 1027 |
| 186 7 flake 86 Through Hydrogen | 7005 | 1073 | 1100 Co | 1020 |
| 21% KOH. 2 grms 1.0H. 5.71 $2\frac{1}{2}$ wt | 7006 | 1060 | 1103 | 1057 |
| Dup 6941 – 20 deg To Left | 7007 | 1023 | 930 | |
| 180 7 flake 86 Through Hydrogen | 7008 | 1020 | 887 | Co |
| 21% KOH $2\frac{1}{2}$ wt 5.66 | 7009 | 1030 | 940 | |
| Dup 6941 20 deg To Left. | 7010 | 1063 | 1107 | 1060 |
| 7 flake 86 Thru Hydrogen | 7011 | 1067 | 1103 Co | 1037 |
| 21% KOH. 2 grms 1.0H. $2\frac{1}{2}$ wt | 7012 | 1067 | 1113 | 1067 |
| Disp 6941 Except 10 deg To Left 86 H Not Hydrogen $\frac{1}{16}$ thru 20 mesh $\frac{1}{8}$ thru 50 mesh with 7 flake $2\frac{1}{4}$ x 2 green 7085RA | 7013 | 983 | 903 | |
| | 7014 | 990 | 907 | Co |
| 21% KOH. 5.57 | 7015 | 1013 | 937 | |
| Dup of 7013 | 7016 | 963 | 1010 Co | 963 |
| 178 21% KOH RUN COLD 5.56 | 7017 | 890 | 1067 | 1023 |
| | 7018 | 993 | 993 | 970 |
| Dup 7013 | 7019 | 1067 | 1067 | 1000 |
| 190 21% KOH 2 grms 1.0H Each Cell 5.82 | 7020 | 1043 Co | 1060 | 993 |
| | 7021 | 1043 | 1067 | 1000 |


100
6998 1013
6999 1060
7000 1027
7001
7002
7003
7004 1060
7005 1050
7006 1093
7010 1063
7011 1087
7012 1107
7016 950
7017 997
7018 950
7019 1017
7020 1003
7021 1007

X 7031 - Load 24% KOH by mistake.

Green 708 same lot as born used for long time's is not full - has not absorbed much water + probably emitted 708 used in the KOH Series with 24% in the 5800 Series —

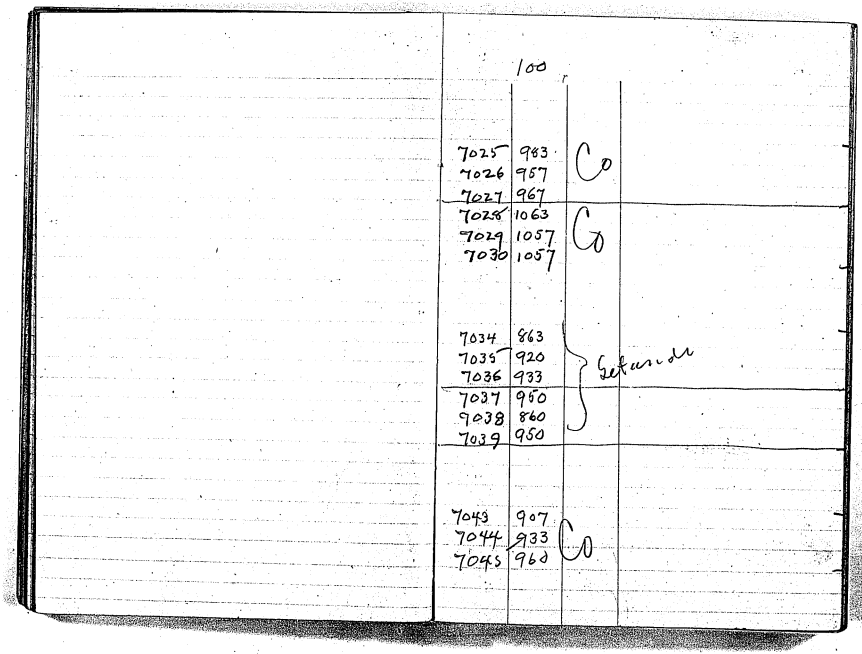
Note: green absorbs a gross diff $H_2O$ according to Temp + Humidity effects and probably due to NaOH which RA says can't be washed out. its probably by-product of this is caused $H_2O$ absorption. Does it Carbonate?

Does 8Ry older green gets like wood. It is the NaOH, becoming Carbonate?

Yes, it does get Carbonated

## 2 1/2 lb coat

| | | 25 Kot | 50 | |
|---|---|---|---|---|
| Dup 6941 – Except 10 deg to left – Reg 86 flake not like old loose rings put by hand – 21% KOH. 5.55 | 7022 | 997 | 893 | 826 C |
| | 7023 | 1013 | 917 | 837 |
| | 7024 | 993 | 943 | 920 |
| Dup 7022 | 7025 | 1000 | 993 | 993 C |
| 21% KOH, RUN COLD | 7026 | 997 | 977 | 960 |
| 5.56 | 7027 | 997 | 987 | 990 |
| Dup 7022 | 7028 | 1047 | 1080 | 1050 |
| 21% KOH, 2 grms of OH each cup | 7029 | 1053 | 1080 | 1027 C |
| 5.55 | 7030 | 1047 | 1080 | 1053 |
| Dup 6941 – Except 10 deg to left. 86 flake not like old Regular rings 708 grms = 21% KOH. 5.59 | 7031 | 957 | 830 | C |
| | 7032 | 953 | 800 | |
| | 7033 | 953 | 827 | |
| Dup 7031 | 7034 | 957 | 923 | 887 |
| 21% KOH, RUN COLD | 7035 | 990 | 953 | 930 |
| Old rings – 5.55 | 7036 | 1030 | 970 | 940 |
| Dup 7031 | 7037 | 1027 | 1043 | 933 |
| 21% KOH 2 grms of OH. | 7038 | 993 | 1060 | 920 |
| Old rings 5.410 | 7039 | 1023 | 1023 | 933 |
| Dup 6941 Except 10 deg To left 86 F Not Hydrogen – No 2 green from Reading drum – 708 RA – 24 grms of flakes. 21% KOH 5.52 | 7040 | 997 | 890 | |
| | 7041 | 933 | 827 | C |
| | 7042 | 960 | 847 | |
| Dup 7040 | 7043 | 980 | 953 | C 927 |
| 21% KOH. RUN COLD | 7044 | 963 | 950 | C 937 |
| 5.52 | 7045 | 990 | 1060 | 967 |



100

| | | |
|---|---|---|
| 7025 | 983 | Co |
| 7026 | 957 | |
| 7027 | 967 | |
| 7028 | 1063 | Co |
| 7029 | 1057 | |
| 7030 | 1057 | |
| 7034 | 863 | Sediment |
| 7035 | 920 | |
| 7036 | 933 | |
| 7037 | 950 | |
| 7038 | 860 | |
| 7039 | 950 | |
| 7043 | 907 | Co |
| 7044 | 933 | |
| 7045 | 960 | |

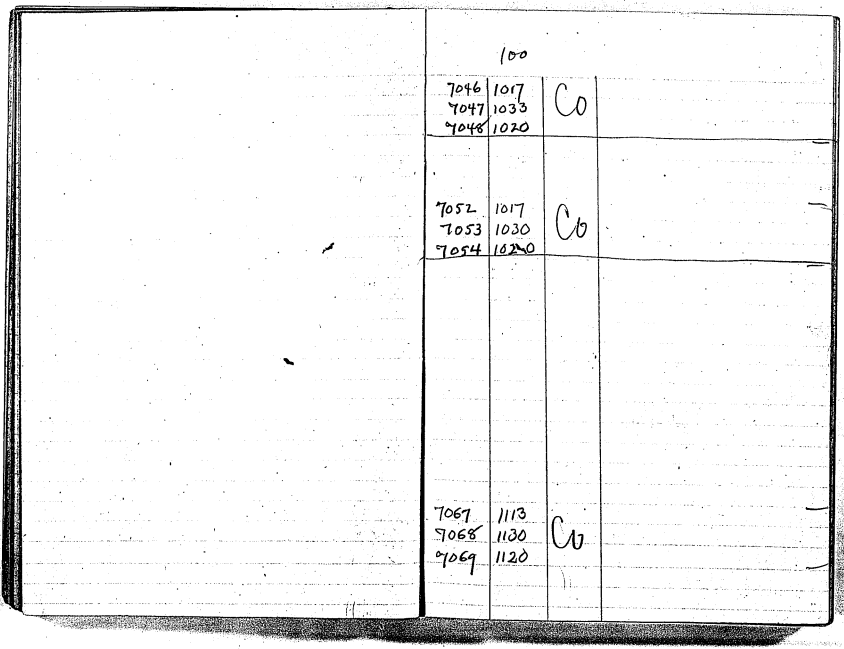
Weighed out 10 grms KOH from bottle, on watch glass put on hot plate 1/2 hour one sheet filter paper 6 strokes —
Then re-weighed diminished 120 milligrams 1.2% lost, after 13 hours gained 80 milg when on scales with door open — 10.080 — Then set watch glass out on table 4 in 2 hours more went to 10.121 milg — 3 hours after 10.108 — = 12 hours after 9.987 — although in the air — The humidity last night would only drop temp (see 20 deg this a.m.) clear morning This may be seasonal

Notice the dr. grown only 4 one bounce — and not — like all previous —

Took 10 grms from big drum then 20 grms in 2 hours on watch glass on hot plate three filter papers between — Weight 9.915 lost 85 milg — in 2 hours more — our required loss 4 weighed 10.106 or gain 1.4 milg — 12 hours after weight 10.048

Make funds penny
7044 to 7057 — 3 days time of 2 lb weight
Double tests — Double Compt only
Each test — 3 grms

| | | 25 shot | | |
|---|---|---|---|---|
| Dup 7040 | | | | |
| 21% Run 21% KOH, 2 grms 1.0H Each cell — 5.56 | 7046 | 957 | 1030 | 1000 |
| | 7047 | 977 | 1037 C | 1000 |
| 2½ wt. | 7048 | 977 | 1037 | 997 |
| Dup 6941 Exempt 10 To Left — 86 flake Not flake thickness 7048 grms 10 g thickness 3 hours hot plate 2½ wt 2.50 — Then exempt — for check in dup — immediately plate 2 grms 2 grms 21% KOH 3 lbs 5.59 | 7049 | 1057 | 913 | 870 |
| | 7050 | 1050 | 973 | 817 C |
| | 7051 | 1057 | 990 | 957 |
| Dup 7049 — 21% KOH RUN COL | 7052 | 1057 | 1033 | 1027 |
| | 7053 | 1040 | 1038 C | 1033 |
| 2½ wt. 3 lbs 5.52 | 7054 | 1063 | 1040 | 1027 |
| Dup 7049 — 21% KOH 2 grms 1.0H Fresh made 3 lbs | 7055 | | | |
| | 7056 | | | |
| | 7057 | | | |
| Dup 6941 Exempt 10 To left — 86 flake Through 2 gr — 6.08 10 g thick — 7 gr 2 grms | 7058 | 1057 | 997 | 950 |
| | 7059 | 1050 | 1000 | 983 C |
| 21% KOH 2½ lbs 5.58 | 7060 | 1063 | 1007 | 980 |
| Dup 7058 — 21% KOH, RUN COL | 7061 | 1073 | 107 | 980 |
| | 7062 | 1077 | 1033 | 1007 C |
| 2½ lb 5.55 | 7063 | 1063 | 1013 | 997 |
| Dup 7058 — 21% KOH 2 grms 1.0H Fresh made | 7064 | 1063 | 1117 | 1073 |
| | 7065 | 1073 | 1116 | 1040 C |
| 2½ lb 5.55 | 7066 | 1067 | 1093 | 1047 |
| Dup 7058 — 21% KOH 2 grms 1.0H Fresh made | 7067 | 1073 | 1128 C | 1103 |
| | 7068 | 1073 | 1113 C | 1103 |
| 2½ lb RUN COL | 7069 | 1073 | 1127 | 1113 |
| 5.49 | | | | |



100

| | | |
|---|---|---|
| 7046 | 1017 | Co |
| 7047 | 1033 | |
| 7048 | 1020 | |
| 7052 | 1017 | Co |
| 7053 | 1030 | |
| 7054 | 1020 | |
| 7067 | 1113 | Co |
| 7068 | 1130 | |
| 7069 | 1120 | |

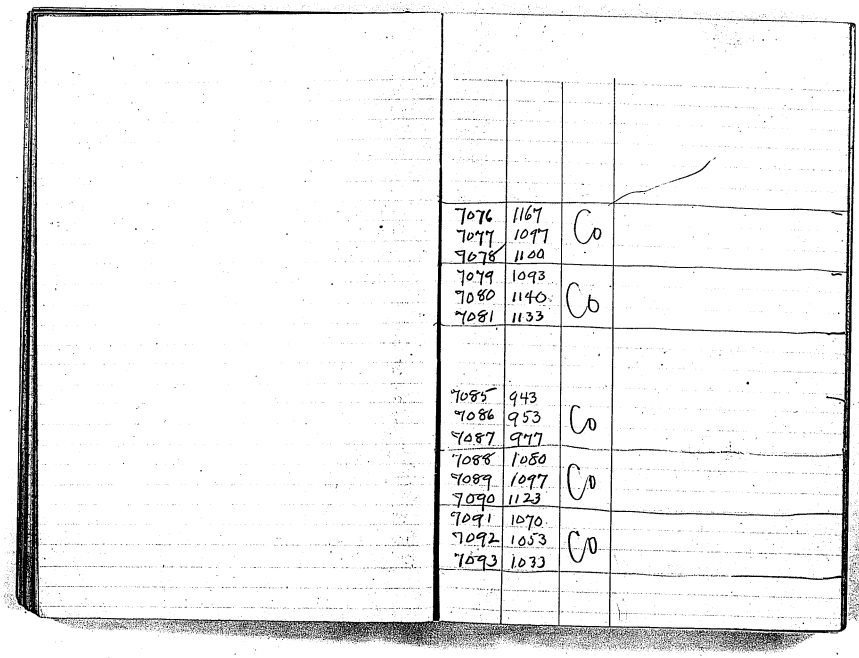
When burn properly ground

The tube walls are 10/1000 thick,

| | 1st | 2 | | |
|---|---|---|---|---|
| 7082 | 797 | 963 | 967 | 970 |
| 7083 | 800 | 960 | 970 | 980 |
| 7084 | 757 | 900 | 923 | 933 |
| 7085 | 723 | 933 | 917 | 927 |
| 7086 | 807 | 953 | 953 | 963 |
| 7087 | 793 | 950 | 957 | 967 |

3 lb cut

| | | | 25Ket | 50 | |
|---|---|---|---|---|---|
| Dup 6941 Except 10% Coff, 7 ft to 86 Inches, 24 gram 708 Big Drum — 3 lb weight 21% KOH. 5.63 | 7070 | 1053 | 980 | 933 | |
| | 7071 | 1033 | 977 | 980 | Co |
| | 7072 | 1050 | 1010 | 960 | |
| Dup 7070 21% KOH, RUN COLD 3 Lbs cut 5.62 | 7073 | 1050 | 1017 | 1010 | |
| | 7074 | 1053 | 1017 | 997 | Co |
| | 7075 | 1040 | 993 | 977 | |
| Dup 7070 21% KOH, 2 gm LiOH, RUN COLD 5.57 | 7076 | 1093 | 1147 | 1150 | |
| | 7077 | 1083 | 1120 | 1107 | Co |
| | 7078 | 1097 | 1123 | 1110 | |
| Dup 7070 21% KOH 2 gm LiOH 5.57 | 7079 | 1080 | 1133 | 1077 | 775 |
| | 7080 | 1094 | 1147 | 1100 | Co |
| | 7081 | 1107 | 1143 | 1090 | |
| Dup 6941 10 deg to 7 ft 86 not thrust 2# 708 Big Drum — 3 LB cut weight — 21% KOH, 5.73 | 7082 | 950 | 860 | | |
| | 7083 | 960 | 903 | | Co |
| | 7084 | 920 | 830 | | |
| Dup 7082 21% KOH, RUN COLD 3 LB cut 5.72 | 7085 | 920 | 977 | 960 | |
| | 7086 | 953 | 950 | 950 | |
| | 7087 | 957 | 967 | 973 | |
| Dup 7082 21% KOH, 2 gm LiOH RUN COLD 3 LB cut 5.72 | 7088 | 1043 | 1077 | 1060 | |
| | 7089 | 1043 | 1077 | 1063 | |
| | 7090 | 1053 | 1100 | 1087 | |
| Dup 7082 21% KOH, 2 gm LiOH 5.72 3 LB cut 5.72 | 7091 | 1067 | 1087 | 1063 | 775 |
| | 7092 | 1053 | 1067 | 1037 | |
| | 7093 | 1037 | 1067 | 1030 | |



| | | | |
|---|---|---|---|
| 7076 | 1167 | Co | |
| 7077 | 1097 | | |
| 7078 | 1120 | | |
| 7079 | 1093 | Co | |
| 7080 | 1140 | | |
| 7081 | 1133 | | |
| 7085 | 943 | Co | |
| 7086 | 953 | | |
| 7087 | 977 | | |
| 7088 | 1050 | Co | |
| 7089 | 1097 | | |
| 7090 | 1123 | | |
| 7091 | 1070 | Co | |
| 7092 | 1053 | | |
| 7093 | 1033 | | |

discharge rate 200 ma — A charge 150 volt 4500 max in
B " 75 " " "
Finished after 1 hour 15 min charge and 1 hour discharge

| | 1st | 2nd | 3rd | 4th | |
|---|---|---|---|---|---|
| 7094 | 953 | 980 | 966 | 950 | 963 |
| 7095A | 1046 | 1030 | 1018 | 993 | 1000 |
| 7096 | 1028 | 1020 | 1011 | 991 | 1000 |
| 7097 | 1086 | 1030 | 1010 | 990 | 1000 |
| 7098B | 1048 | 1012 | 990 | 972 | 980 |
| 7099 | 1068 | 1016 | 993 | 975 | 985 |

Finished 1st charge

3 LB wt

3 LB wt -

Disp 6941 — 10 deg T. left
7 pt 86 not thru 14 — 24 N 22
grays from Big Drum 5.69
24 pts 3 lb weight — Holding 15 min charge 1/2 hr discharge

Disp 7094
Tot allowed change 1st charge
1/4 density 3 lb 5.71

Disp 7094 —
Jube with burro ground
off much further
21% KOH. 3 lbt

Disp 7094
ditto burro ground
nearly off
21% KOH. 3 LB wt

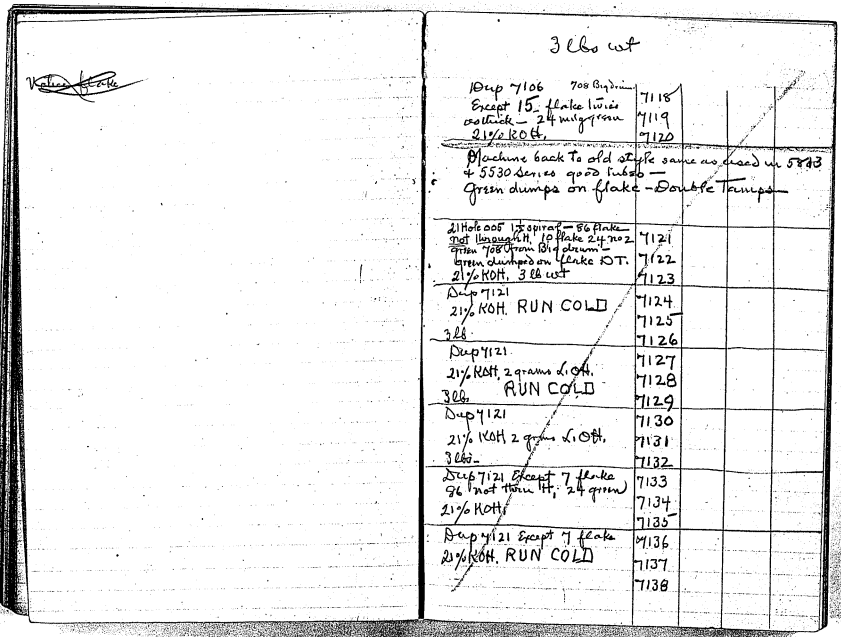
Disp 6941 10 deg T. left
with 10 mily flake twice as
thick — 24 mily 705 Big Drum
3 LB wt — 21% KOH

Disp 7106 —
Except 21% KOH RUN COLD
3 LB

Disp 7106
Except 21% KOH 2 grms LiOH.
3 LB

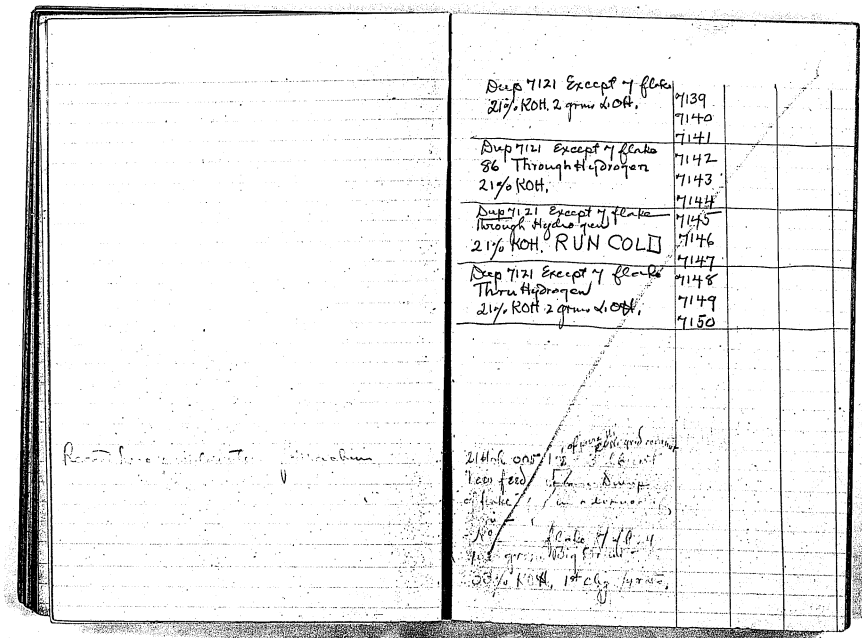
Disp 7106
Except 21% KOH. 2 grms LiOH
3 LB RUN COLD

| | | 25 lbt | |
|---|---|---|---|
| 7094 | | 867 | Co |
| 7095 | | 920 | |
| 7096 | | 897 | |
| 7097 | | 887 | Co |
| 7098 | | 850 | |
| 7099 | | 733 | |
| 7100 | | | |
| 7101 | | | |
| 7102 | | | |
| 7103 | | | |
| 7104 | | | |
| 7105 | | | |
| 7106 | | | |
| 7107 | | | |
| 7108 | | | |
| 7109 | | | |
| 7110 | | | |
| 7111 | | | |
| 7112 | | | |
| 7113 | | | |
| 7114 | | | |
| 7115 | | | |
| 7116 | | | |
| 7117 | | | |



3 lbs cut

| | |
|---|---|
| Dup 7106 708 Cylinder<br>Except 15 flake lines<br>centrick – 24 milgreen<br>21% KOH. | 7118<br>7119<br>7120 |
| Machine back to old style same as erased on 5843<br>& 5530 Series good finish –<br>Green dumps on flake – Double Tamps – | |
| 21 Hole 005 1¼ spiral – 86 flake –<br>Not Hanging 4 H. 10 flake 24 no 2<br>from 708 Green Big drum –<br>green dumped on flake NT.<br>21% KOH. 3 lb cut | 7121<br>7122<br>7123 |
| Dup 7121<br>21% KOH. RUN COLD<br>3 lb | 7124<br>7125<br>7126 |
| Dup 7121<br>21% KOH. 2 grams LiOH.<br>RUN COLD<br>3 lbs. | 7127<br>7128<br>7129 |
| Dup 7121<br>21% KOH 2 grams LiOH.<br>3 lbs. | 7130<br>7131<br>7132 |
| Dup 7121 Except 7 flake<br>86 not Hang H, 24 green<br>21% KOH. | 7133<br>7134<br>7135 |
| Dup 7121 Except 7 flake<br>21% KOH. RUN COLD | 7136<br>7137<br>7138 |



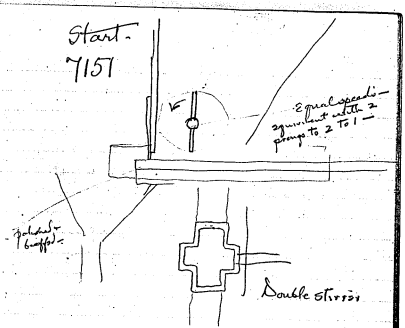
Dup 7121 Except 7 flakes
21% KOH. 2 grms LiOH. — 7139, 7140

Dup 7121 Except 7 flakes
86 Through Hydrogen
21% KOH. — 7141, 7142, 7143, 7144

Dup 7121 Except 7 flakes
Through Hydrogen
21% KOH. RUN COLD — 7145, 7146, 7147

Dup 7121 Except 7 flakes
Thru Hydrogen
21% KOH 2 grms LiOH. — 7148, 7149, 7150

Start -
7157




Flake dumps just in advance of grossa so final part grossa strikes last part of flake —
10 sep dumps showed dumping of flake fairly even — 50 dumps with 98 of last 4, shows 7% mixed —

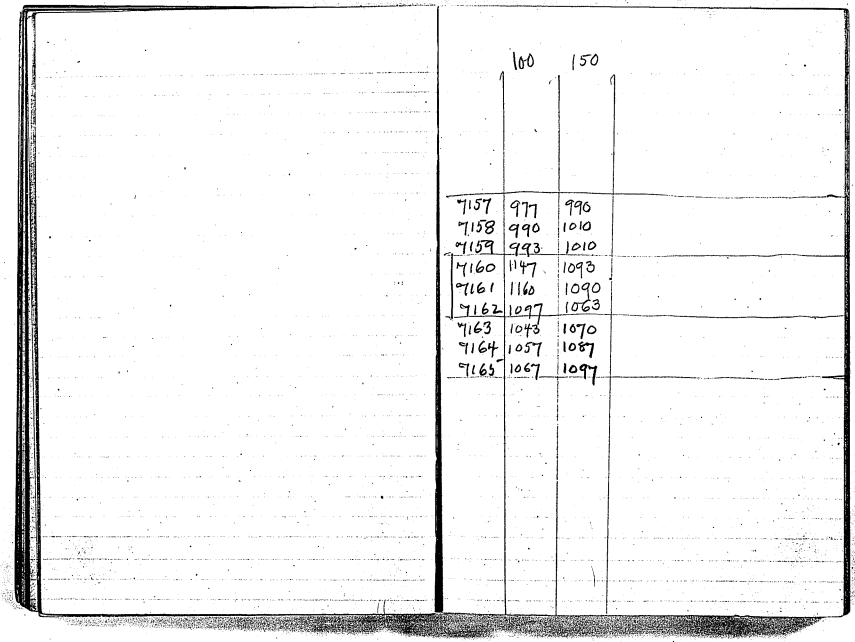
7154 – white attrition removed predominately all of the white flour ni from outside surfaces of the bright green pieces there are however a large number of white pieces so much probably 25% colored inside

½ W not filtered grain an unsown product which is not so with ½ W filtered do many even the latter colored 62 better there is no white flour on Settler –

| | | | | |
|---|---|---|---|---|
| 7160 | 894 | 1067 | 1047 | 1057 |
| 61 | 910 | 1070 | 1047 | 1057 |
| 62 | 830 | 1010 | 1000 | 1020 |
| 63 | 850 | 1027 | 1010 | 1030 |
| 64 | 863 | 1037 | 1023 | 1040 |
| 65 | 857 | 1040 | 1030 | 1050 |
| 7166 | 883 | 983 | 1013 | |
| 67 | 909 | 1010 | 1037 | |
| 68 | 825 | 920 | 977 | |
| 69 | 917 | 1017 | 1043 | |
| 70 | 902 | 1000 | 1037 | |
| 71 | 867 | 993 | 1010 | |
| 72 | | | | |
| 73 | | | | |
| 74 | | | | |

25 50

| | | | | |
|---|---|---|---|---|
| 2) Hole 005 1/4 3 lbs 708 Big Drum – loaded to a little gas was white flour off flavor – dried all night on trays, Hot, late 85F Nat H – 7 ft 24 grains 21% KOH. remained pure in one page – 10 drops grain 234 ft 70 – 100 ft 5.62 | 7151 | 1013 | 797 | Co |
| | 7152 | 1023 | 980 | |
| | 7153 | 1067 | 877 | |
| Dup 7151 Except 708 800 drums placed at corners with flour 15 lbs in – acted quite normal – each grinder flour practically normal – Dried Outdoor 76 thick Not plate 85 F with H 7 ft 24 g 328 grains KOH 85 F with H 7 ft 24 g 328 5.46 | 7154 | 1050 | 823 | Co |
| | 7155 | 990 | 827 | |
| | 7156 | 1027 | 857 | |
| Dup 7154 Except RUN COLD 3 lbs 5.58 | 7157 | 1057 | 990 | 1010 |
| | 7158 | 1077 | 1000 | 1023 |
| | 7159 | 1070 | 1000 | 1043 |
| Dup 7154 Except 21% KOH, 2 grams d/off 3 lbs 5.47 | 7160 | 1063 | 1113 | 1122 |
| | 7161 | 1063 | 1110 | 1117 |
| | 7162 | 1027 | 1053 | 1047 |
| Dup 7154 Except 21% KOH, 2 grams d/off 3 lbs 5.69 RUN COLD | 7163 | 1037 | 1067 | 1067 |
| | 7164 | 1040 | 1077 | 1090 |
| | 7165 | 1053 | 1083 | 1100 |
| Dup 7154 – grains yellow but no white blue – 94 bottle flasks Special 7 ft 24 gr 3 lbs 21% KOH. 5.63 | 7166 | 1007 | 880 | Co |
| | 7167 | 1030 | 927 | |
| | 7168 | 967 | 841 | |
| Dup 7166 – except 21% KOH, RUN COLD 3 lbs 5.52 | 7169 | 1033 | 983 | 983 |
| | 7170 | 1027 | 967 | 980 |
| | 7171 | 1007 | 930 | 933 |
| Dup 7166 – 21% KOH 2 grams d/off Settler 3 lbs | 7172 | | | |
| | 7173 | | | |
| | 7174 | | | |



| | 100 | 150 |
|---|---|---|
| 7157 | 977 | 990 |
| 7158 | 990 | 1010 |
| 7159 | 993 | 1010 |
| 7160 | 1147 | 1093 |
| 7161 | 1160 | 1090 |
| 7162 | 1097 | 1063 |
| 7163 | 1043 | 1070 |
| 7164 | 1057 | 1087 |
| 7165 | 1067 | 1097 |

| | | | | | |
|---|---|---|---|---|---|
| 7187 | 780 | 923 | 997 | 1010 | 1047 |
| 88 | 810 | 957 | 1027 | 1040 | 1037 |
| 89 | 967 | 920 | 1000 | 1013 | 1018 |
| 7178 = | 740 | 920 | 993 | 1000 | 997 |
| 79 | 783 | 973 | 1040 | 1047 | 1043 |
| 80 | 967 | 997 | 1010 | 1020 | 1010 |
| 81 | 777 | 930 | 993 | 1000 | 993 |
| 82 | 787 | 930 | 993 | 1000 | 993 |
| 83 | 973 | 917 | 993 | 1007 | 1000 |
| 84 | 727 | 950 | 1020 | 1040 | 1040 |
| 85 | 786 | 963 | 1040 | 1050 | 1047 |
| 86 | 683 | 920 | 1000 | 1013 | 1010 |

94 flake is brittle at second lower
thick now by 7ff - also change 2/0 w
not seperated = should only be one as
of 7ff would not Expand
5 of seperate 4 flake

7190 - with this plunger bounces more had
lower speed marker a —··

7193 Bent bounces so much — to —··

| | | | | | |
|---|---|---|---|---|---|
| 7190 | 697 | 850 | 893 | 887 | 873 |
| 91 | 703 | 910 | 920 | 917 | 903 |
| 92 | 740 | 923 | 927 | 922 | 917 |
| 93 | 633 | 817 | 840 | 857 | 847 |
| 94 | 603 | 847 | 887 | 853 | 890 |
| 95 | 633 | 827 | 887 | 843 | 833 |
| 96 | 590 | 797 | 793 | 793 | 777 |
| 97 | 580 | 763 | 777 | 767 | 753 |
| 98 | 567 | 753 | 767 | 760 | 737 |

Dup 7166 Except 21% KOH, 2 [illegible]
RUN COLD

| | | | | |
|---|---|---|---|---|
| 7175 | | | | |
| 7176 | | | | |
| 7177 | | | | |
| 7178 | 997 | 930 | | |
| 7179 | 1043 | 960 | | Co |
| 7180 | 1010 | 957 | | |
| 7181 | 993 | 927 | | |
| 7182 | 993 | 950 | | Co |
| 7183 | 1000 | 923 | | |
| 7184 | 1040 | 980 | | |
| 7185 | 1047 | 983 | | Co |
| 7186 | 1010 | 947 | | |
| 7187 | 1007 | 950 | | |
| 7188 | 1037 | 980 | | Co |
| 7189 | 1010 | 947 | | |
| 7190 | 873 | 617 | | |
| 7191 | 903 | 750 | | Co |
| 7192 | 917 | 717 | | |
| 7193 | 817 | 647 | | |
| 7194 | 848 | 650 | | Co |
| 7195 | 833 | 650 | | |
| 7196 | 777 | 587 | | |
| 7197 | 753 | 566 | | Co |
| 7198 | 737 | 623 | | |

Dup 7178
Except was 94 flake 7ff 24 7
21% KOH — 5.76

Dup 7178 Except 3 1/2 lb coil
707-RA/s w/o [illegible]
7ff 24
21% KOH 5.77

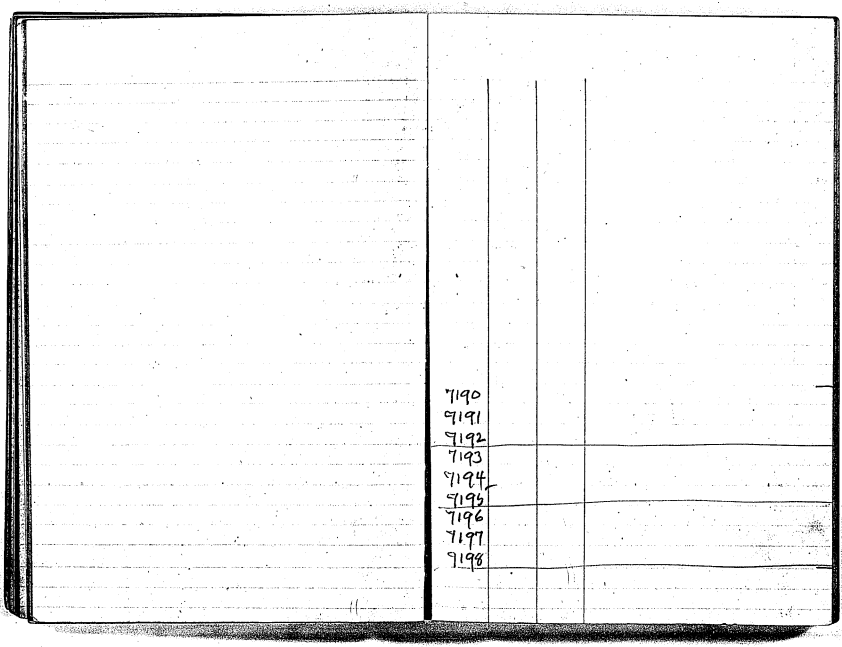
Dup 7178 3 1/2 lb coil
Except 94 flake - 707RA/s w
[illegible]
21% 7ff 24 5.85

21 Holes 005 1 Zap 3 Lbs
84 flake - 707 RA - 1/2 w [illegible]
[illegible] 7ff 24 7 —
21% KOH. 5.67

21 Holes 005 1 Zap 3 Lbs
708 Brass 84 flake not hi pressure
plunger 227 /1000 [illegible]
7ff 24 7 —
21% KOH. 5.93

Dup 7190
plunger 217/1000 5.79

Dup 7190
plunger 207/1000 5.85


7190
7191
7192
7193
7194
7195
7196
7197
7198

| | | | | | |
|---|---|---|---|---|---|
| 7199 | 530 | 707 | 720 | 717 | 700 |
| 7200 | 527 | 713 | 723 | 720 | 703 |
| 7201 | 520 | 713 | 730 | 727 | 710 |
| 7202 | 797 | 917 | 920 | 903 | |
| 7203 | 833 | 950 | 947 | 927 | |
| 7204 | 820 | 937 | 933 | 910 | |
| 7205 | 677 | 837 | 837 | 813 | |
| 7206 | 666 | 830 | 833 | 810 | |
| 7207 | 677 | 840 | 847 | 823 | |
| 7208 | 597 | 773 | 783 | 763 | |
| 7209 | 590 | 830 | 837 | 813 | |
| 7210 | 630 | 790 | 800 | 773 | |
| 7211 | 623 | 823 | 840 | 820 | |
| 7212 | 657 | 853 | 877 | 853 | |
| 7213 | 643 | 843 | 863 | 843 | |
| 7214 | 837 | 1023 | 1037 | 1013 | |
| 7215 | 847 | 1030 | 1047 | 1023 | |
| 7216 | | | | | |
| 7217 | 847 | 1030 | 1043 | 1017 | |
| 7218 | 887 | 1020 | 1037 | 1007 | |
| 7219 | 750 | 947 | 967 | 940 | |
| 7220 | 620 | 843 | 863 | 843 | |
| 7221 | 587 | 823 | 850 | 830 | |
| 7222 | 573 | 807 | 827 | 807 | |

Dup 7190 — plunger 197/1000 5.80

21 Hole 005 1½ spiral 3½ wt · 237/1000 plunger Machine — — 7151
7½ Hole drilled in 12% KOH saturated 24 hr 708 Rig Form — 7ft 24 grain — 3½ wt 5.72
21% KOH

21 Hole 005 1½ · 3½ wt. 847 ft not Hydrogen — Layer loading 217/1000 plunger — Layer Loading — 7 ft 24 grain — 3½ wt 5.79
708 Rig Form

Dup 7205 — Except 207/1000 plunger — Layer Loading — 7 ft 24 grain — 3½ wt 5.81
708 Rig Form

Dup 7205 — Just hang the 3 grids in electrolyte so as to provide hanging electrolyte — 21% KOH 1023 ft² Fluid 10 days 73 grain 227 5.72

21 Hole 005 1½ spl 237/1000 3½ wt 84 ft² electrolyte 21% KOH — Machine Finish — surface 7 ft 24 grain 708 Rig Form — 10 days @ 237 ft² 1037 ft² fluid 10 days 227 grain 227 — Hydrogen Left Hand side 5.73
21 Hole 005 1½ · 3½ wt 237/1000 — 3½ wire ½ thick 88 ft² matte surface 7 ft 24 gr 708 Rig Form — 10 Days 237 grain 227 6.19
21% KOH

Dup 7217 Except 217/1000 plunger — 1029 ft² 88 ft² 6.11

| | | | | |
|---|---|---|---|---|
| | | | 25 Hole | |
| 7199 | 700 | 570 | | |
| 7200 | 703 | 503 | | Co |
| 7201 | 710 | 520 | | |
| 7202 | 923 | 763 | | |
| 7203 | 947 | 780 | | Co |
| 7204 | 933 | 790 | | |
| 7205 | 827 | 673 | | |
| 7206 | 823 | 657 | | Co |
| 7207 | 837 | 663 | | |
| 7208 | 773 | 600 | | |
| 7209 | 823 | 623 | | C1 |
| 7210 | 787 | 636 | | |
| 7211 | 830 | 610 | | |
| 7212 | 863 | 696 | | Co |
| 7213 | 853 | 666 | | |
| 7214 | 1033 | 833 | | |
| 7215 | 1040 | 843 | | Co |
| | | | | |
| 7217 | 1037 | 850 | | |
| 7218 | 1023 | 817 | | Co |
| 7219 | 960 | 716 | | |
| 7220 | 860 | 683 | | |
| 7221 | 850 | 666 | | C1 |
| 7222 | 827 | 623 | | |

| | | | |
|---|---|---|---|
| 7223 | 740 | 870 | 880 |
| 7224 | 767 | 900 | 900 |
| 7225 | 760 | 870 | 873 |
| 7226 | 761 | 900 | 900 |
| 7227 | 770 | 907 | 903 |
| 7228 | 810 | 937 | 930 |
| 7229 | 773 | 900 | 897 |
| 7230 | 790 | 917 | 917 |
| 7231 | 797 | 913 | 913 |
| 7233 | 720 | 883 | 930 |
| 34 | 733 | 887 | 933 |
| 35 | 758 | 920 | 947 |
| 7239 | 733 | 883 | 920 |
| 40 | 777 | 927 | 943 |
| 41 | 730 | 873 | 910 |
| 42 | 717 | 867 | 907 |
| 43 | 753 | 900 | 933 |
| 44 | 710 | 863 | 903 |
| 45 | 490 | 783 | 860 |
| 46 | 810 | 787 | 860 |
| 47 | 518 | 817 | 883 |
| 7248 | 483 | 1183 | 1163 |
| 49 | 957 | 1170 | 1167 |
| 50 | 963 | 1167 | 1150 |

7245 the green softens to a reach when 21% pounds on green

6 seconds at lake

1147
1150
1160

1152 @

Dep 7190 84fl
Except 245/1000 plunger

Dep 7223
Except Layer loading with 245/1000 plunger 84fl

Dep 7190
with 245/1000 Rod Bevelled off. 8/1000 —
South 84fl

Dep 7229
Bevel North
6.100

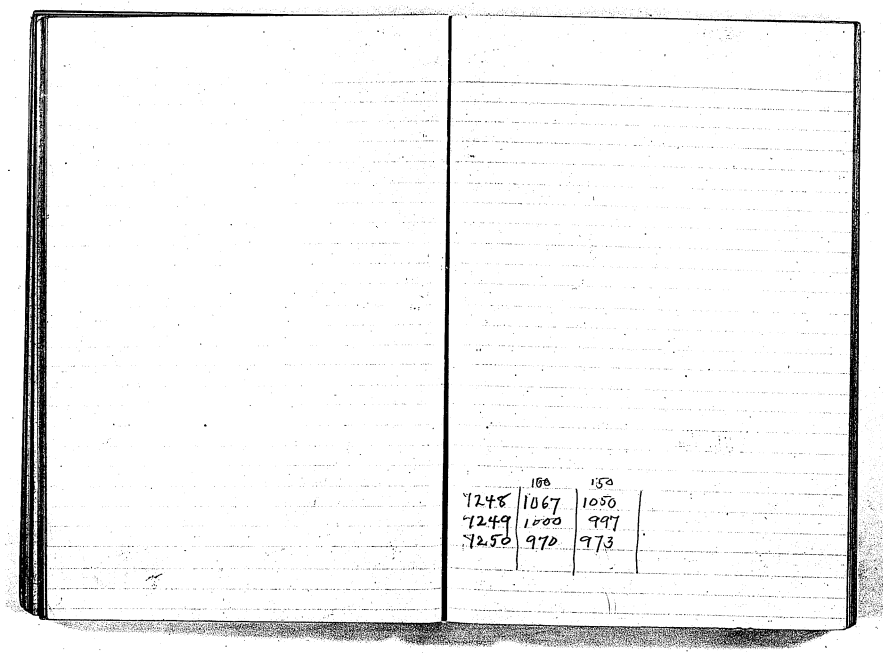
Dep 7229
East.
5.84

Dep 7229
West
6.00

21 Holes 005 1½ · 3½ wet 237
83 Flakes - 7 fl 24 green Ra
1042 green when 20 from
21% wet 5.50

21 Holes 005 1½ 3½ wet 708 Big Bore
83 flakes 24 green 7 fl when Ra
Some edges 20 when 1000 lbs
Small 100
237 21%/Wet 5.84

| | | | |
|---|---|---|---|
| | | 25 | 50 |
| 7223 | 917 | 783 | C0 |
| 7224 | 943 | 780 | |
| 7225 | 930 | 777 | |
| 7226 | 943 | 730 | C0 |
| 7227 | 940 | 727 | |
| 7228 | 967 | 803 | |
| 7229 | 943 | 793 | C0 |
| 7230 | 953 | 787 | |
| 7231 | 947 | 783 | |
| 7233 | 937 | 780 | C0 |
| 7234 | 937 | 790 | |
| 7235 | 947 | 827 | |
| 7239 | 920 | 763 | C0 |
| 7240 | 963 | 840 | |
| 7241 | 910 | 777 | |
| 7242 | 913 | 793 | C0 |
| 7243 | 940 | 807 | |
| 7244 | 907 | 776 | |
| 7245 | 847 | 650 | C0 |
| 7246 | 850 | 710 | |
| 7247 | 880 | 733 | |
| 7248 | 1147 | 1080 | 1050 |
| 7249 | 1150 | 1040 | 1010 |
| 7250 | 1160 | 1033 | 1090 |



| | 100 | 150 |
|---|---|---|
| 7248 | 1067 | 1050 |
| 7249 | 1000 | 997 |
| 7250 | 970 | 973 |

| | | | | | |
|---|---|---|---|---|---|
| 7251 | | | | | |
| 52 | | | | | |
| 53 | | | | | |
| 54 | 710 | | | | |
| 55 | 743 | | | | |
| 56 | 763 | | | | |
| 57 | 686 | | | | |
| 58 | 973 | | | | |
| 59 | 610 | | | | |
| 7260 | 933 | 1117 | 1143 | 1123 | 1126 |
| 61 | 963 | 1133 | 1157 | 1137 | 1130 |
| 62 | 927 MM | 1113 MM | 1140 MM | 1113 | 1113 |
| 63 | 933 | 1107 | 1133 | 1103 | 1097 |
| 64 | 960 | 1127 | 1140 | 1117 | 1113 |
| 65 | 943 MM | 1133 MM | 1150 MM | 1130 | 1123 |
| 66 | 953 | 1077 | 1067 | 1033 | 1037 |
| 67 | 943 | 1090 | 1090 | 1050 | 1058 |
| 68 | 943 MM | 1093 MM | 1097 MM | 1053 | 1057 |
| 69 | 247 ? | 1063 | 1090 | 1080 | 1073 |
| 7270 | 873 | 1060 | 1090 | 1080 | 1077 |
| 71 | 890 | 1063 | 1083 | 1073 | 1078 |
| 72 | | | | | |
| 73 | | | | | |
| 74 | | | | | |
| 75 | | | | | |
| 76 | | | | | |
| 77 | | | | | |
| 78 | | | | | |
| 7257 | aver 620 | 722 | 777 | 788 | |
| 58 | | | | | |
| 59 | | | | | |

Counter started at 7260

2¼ Hole 005 1½ 3½ 237 — pretreat to loosen blown wax no bumps 7% 83 24 gr tritin 708 Big D — 21% — 5.16

2¼ Hole 005 1½ 3½ 216 gr wt 0.02 light — 7% 84 24 708 Big Drum — 21% 5.38

2¼ Hole 005 1½ 3½ 237 84 % 7% 24 708 Big Drum = Underneath Cast pt rests at 100 take through Ends — 21% — 6.06

2¼ Hole 005 1½ 3½ 237 — Loading with matte finish — uniform grain 708 Big D 7% 24 gr 21% KOH — 5.76

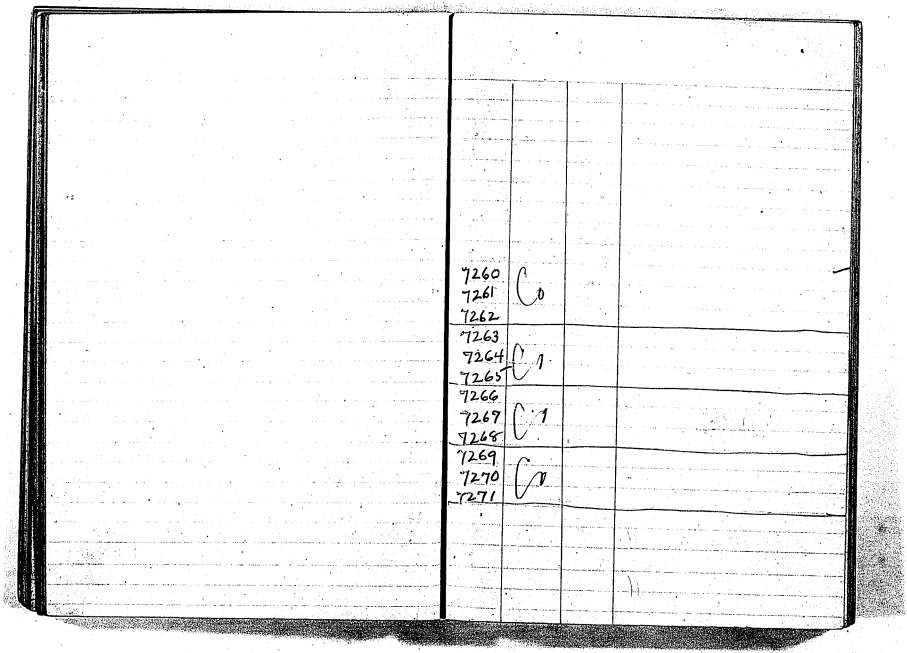
Drop 7260 Layer Loading — 60/min — 21% KOH — 6.00

Drop 7260 Layer Loading — 60/min — 21% KOH, 2 grains KOH — 5.85

2¼ Hole 005 1½ 3½ 237 — Tube accepted — clean 83% 7% 24 gr — 708 Big Drum — 21% KOH — 5.86

Drop 7269 — Except 6 mm groups until 7/min — 21% KOH —

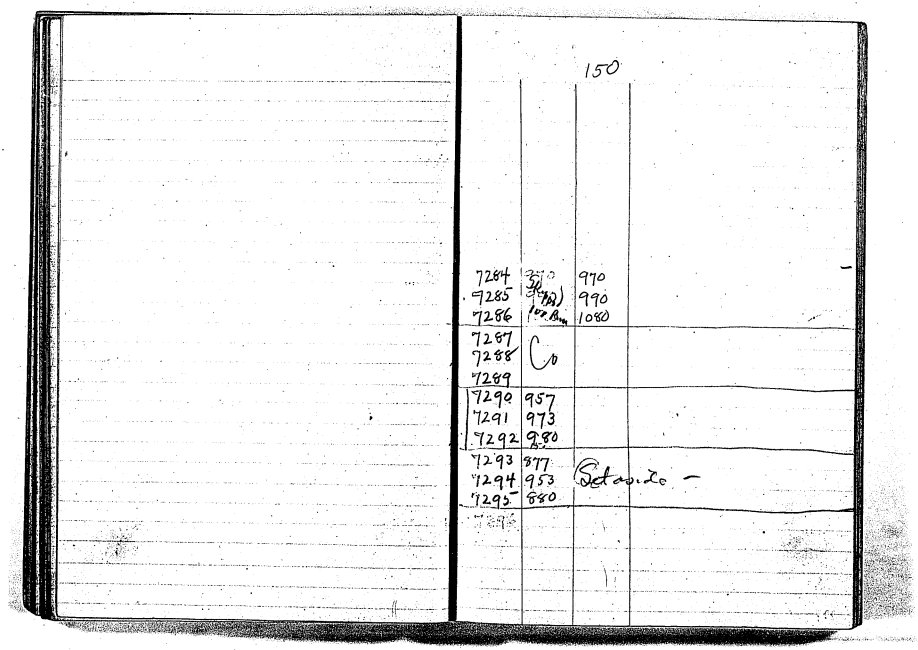
| | | | | | |
|---|---|---|---|---|---|
| | | | 25 | 50 | |
| 7251 | 960 | 873 | | | |
| 7252 | 940 | 867 | Co | | |
| 7253 | 913 | 753 | | | |
| 7254 | 883 | 823 | | | |
| 7255 | 927 | 843 | Co | | |
| 7256 | 937 | 867 | | | |
| 7257 | aver 11 | | | | |
| 7258 | 788 | Co | | | |
| 7259 | | | | | |
| 7260 | 1120 | 960 | 863 | | |
| 7261 | 1130 | 973 | Co | 913 | |
| 7262 | 1113 | 987 | | 950 | |
| 7263 | 1097 | 933 | 897 | | |
| 7264 | 1113 | 1010 | Co | 983 | |
| 7265 | 1123 | 1040 | 963 | | |
| 7266 | 1087 | 1113 | 1100 | | |
| 7267 | 1053 | 1135 | Co | 1123 | |
| 7268 | 1057 | 1130 | 1120 | | |
| 7269 | 1073 | 943 | 907 | | |
| 7270 | 1077 | 940 | Co | 973 | |
| 7271 | 1070 | 947 | 940 | | |
| 7272 | | | | | |
| 7273 | | | | | |
| 7274 | | | | | |


7260
7261
7262
7263
7264
7265
7266
7267
7268
7269
7270
7271

| | | | | | |
|---|---|---|---|---|---|
| 7275 | 733 | 947 | 1037 | 1020 | 1017 |
| 76 | 733 | 990 | 1017 | 1000 | 998 |
| 77 | 760 | 1017 | 1047 | 1027 | 1028 |
| 78 | 807 | 1043 | 1070 | 1060 | 1063 |
| 79 | 800 | 1042 | 1077 | 1067 | 1067 |
| 7280 | 823 | 1047 | 1073 | 1068 | 1065 |
| 81 | 863 | 1063 | 1073 | 1071 | |
| 82 | 823 | 1049 | 1050 | 1087 | |
| 7284 | 863 | 1157 | 1138 | 1143 | 1140 |
| 85 | 917 | 1133 | 1110 | 1130 | 1120 |
| 86 | 893 | 1143 | 1090 | 1117 | 1117 |
| 87 | 937 | 1157 | 1153 | 1147 | 1153 |
| 88 | 920 | 1135 | 1130 | 1138 | 1127 |
| 89 | 973 | 1173 | 1167 | 1157 | 1167 |
| 90 | 1050 | 1137 | 1143 | | |
| 91 | 1023 | 1133 | 1140 | 1138 | 1136 |
| 92 | 1027 | 1128 | 1127 | | |
| 93 | 947 | 1047 | 1087 | | |
| 94 | 983 | 1090 | 1113 | 1086 | 1084 |
| 95 | 990 | 1050 | 1070 | | |

7284 = Notice that value (Hardness) — of flake Nos 84 to 88 is a little = also many flakes are stuck together — consist of 6 to 10 flakes — the back of the flake has shrunk double as much as — 9 thickness of flake varied by only as much as 4 or 5 of original 83 on account of its sticking together. Yet the surface is quite smooth except the pits almost too minute to see with Micro — thick greasy coat makes the surface just as good by sticking to it and is what it is wanted — pronounced lubricant. Nevertheless Arsenic Etch the grain effect is not due to matte surface entirely at all — Cobalt has not only a matte surface but it rough in a larger way. The all Reason this flake is brittle is because the hot pressed all the copper from

| | | | | | |
|---|---|---|---|---|---|
| 21 Hole 005 1½ 3½ 237 — 83 ft. Coiled 1/4 hour Cure 6 OH — 420 amperes Left over Zinc with flake anodes Dry Consult Borough 7 ft 24 Flake Ground 21% KOH Green | 108 Big D 5.87 | 7276 7277 | 1017 1023 | 893 933 | Co |
| 21 Hole 005 1½ 3½ 237 Regular — Cr 97 Flake Nickel Surface 1½ Small Nickel Rod Coiled 10 ft 24 Green 708 Big D Coiled Cent Iron Anodes 21% KOH. | 5.74 | 7278 7279 7280 | 1063 1067 1063 | 963 893 950 | Co |
| 21 Hole 005 1½ 3½ 237 83 ft Flake) 420 amp 6 OH — 7 ft 24 708 Big D — Regular — 21% KOH | 5.74 | 7281 7282 | 1067 1050 | 927 967 | Co |
| 21 Hole 005 1½ 3½ 237 — 83 ft Coiled 1/4 hour 420 amp 6 OH Consult Borough — 7 ft 24 708 Big D — 21% KOH. 2 Green Zinc OH. | 5.99 | 7284 7285 7286 | 1140 1120 1117 | 1157 1153 1197 | 1067 1123 1173 |
| 21 Hole 005 1½ 3½ 237 — Green Tapped on 1½ Flake Nickel Rod 708 Big D = 83 ft Flake Coiled 420 amp 6 OH Consult Borough Left over Zinc Anodes Etch — Screened 7 ft 24 Green 21% KOH | 5.85 | 7287 7288 7289 | 1153 1127 1167 | 1063 1023 1058 | 1023 983 949 |
| Dup 7287 Except 21% KOH 2 gr 6 OH. | 5.97 | 7290 7291 7292 | 1143 1133 1123 | 1193 1167 1146 | 1103 1067 1033 |
| Dup 7287 Except Longer Loading | | 7293 7294 | 1083 1103 | 999 1040 | 947 1017 |
| 21% KOH | 5.99 | 7295 | 1067 | 987 | 953 |
| | | ~~7294~~ | | | |



150

| | | | |
|---|---|---|---|
| 7284 | | | 990 |
| 7285 | | | 990 |
| 7286 | | | 1080 |
| 7287 | C | | |
| 7288 | | | |
| 7289 | | | |
| 7290 | 957 | | |
| 7291 | 973 | | |
| 7292 | 980 | | |
| 7293 | 877 | Detasi.Co — | |
| 7294 | 953 | | |
| 7295 | 880 | | |

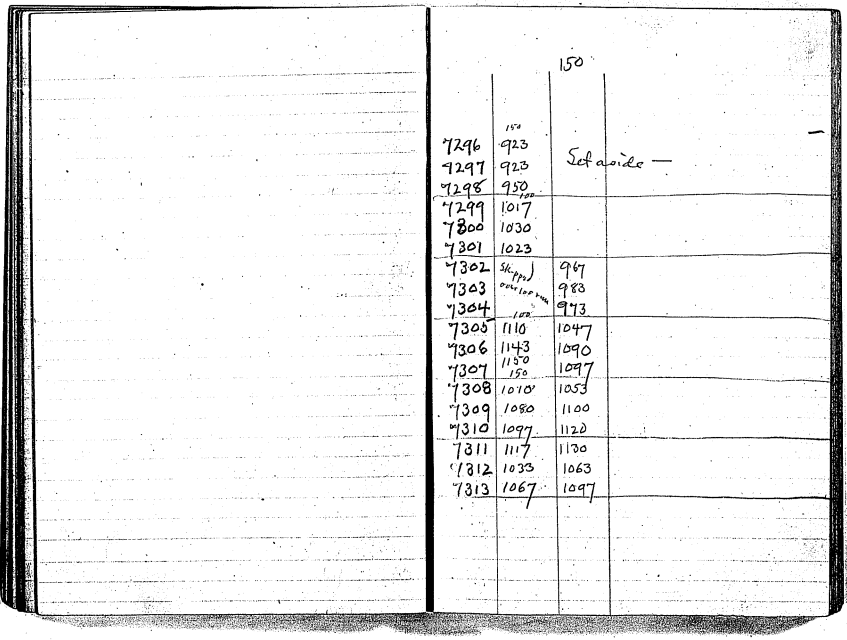
Slurry in flake flapper

| | | | | | | |
|---|---|---|---|---|---|---|
| 7296 | 1026 | 1123 | 1143 | | | |
| 7297 | 1023 | 1127 | 1147 | 1137 | 1126 | |
| 7298 | 1017 wet | 1123 | 1133 | | | |
| | | | 1141 | | | |
| 7299 | 1017 | 1117 | 1133 | | | |
| 7300 | 1010 | 1107 | 1120 | 1117 | 1108 | |
| 7301 | 993 wet | 1102 wet | 1120 wet | | | |
| 7302 | 1000 | 1047 | 1043 | | | |
| 7303 | 997 | 1040 | 1037 | 1030 | 1021 | |
| 7304 | 990 wet | 1027 wet | 1023 wet | | | |
| 7305 | 990 | 1030 | 1023 | | | |
| 7306 | 980 | 1007 | 1000 | 1009 | 996 | |
| 7307 | 953 wet | 1027 wet | 1027 wet | | | |
| 7308 | 896 | 1083 | 1110 | | | |
| 7309 | 887 wet | 1100 | 1123 | 1109 | 1110 | |
| 7310 | 897 | 1110 wet | 1133 wet | | | |
| | 75 Rate. | Slow Filtration | | | | |
| 7311 | 1213 | 1176 | 1193 | 1166 | 1158 | |
| 7312 | 1150 | 1123 | 1123 | 1110 | 1100 | |
| 7312 | 1150 wet | 1123 wet | 1123 wet | 1112 | 1103 | |

Layer loading -

| | | | 25 | 50 |
|---|---|---|---|---|
| 21 Hole 005 1½ spiral 3½ tot 237 plunger - 83 flakes graded slurry, lower heat element, Raymond Hydrapac mill rate 9½ hours, part of [illegible] on 7295 and [illegible] 7296 [illegible] 5.73 | 7296 | 1123 | 1047 | 1023 |
| | 7297 | 1133 | 1060 | 1020 |
| Layer loading 21% KOH. 5.73 | 7298 | 1123 | 1027 | 1020 |
| Layer loading Dup 7296 Except 21% KOH RUN COLD 6.07 | 7299 | 1120 | 1053 | 1053 |
| | 7300 | 1103 | 1032 | 1030 |
| | 7301 | 1103 | 1023 | 1010 |
| Layer loading Dup 7296 Except 21% KOH 2 gms LiOH. 6.13 | 7302 | 1037 | 1183 | 1130 |
| | 7303 | 1020 | 1180 | 1133 |
| | 7304 | 1007 | 1143 | 117 |
| Layer loading Dup 7296 Except 21% KOH, 2 gms LiOH RUN COLD 6.13 | 7305 | 1003 | 1090 | 1120 |
| | 7306 | 987 | 1097 | 1130 |
| | 7307 | 997 | 1093 | 1130 |
| Layer 2 — Dup 7296 Except 40% Rd-½ w filling Loaded 21% KOH. 6.16 | 7308 | 1097 | 1067 | 1033 |
| | 7309 | 1117 | 1093 | 1063 |
| | 7310 | 1117 | 1107 | 1090 |
| Layer 2 Dup 7296 Except Raymond ½ lb filling Loaded at 60 cc's Hallmark 3/4 cc Rate 6.09 | 7311 | 1158 | 1147 | 1130 |
| | 7312 | 1100 | 1076 | 1047 |
| | 7313 | 1103 | 1097 | 1067 |

After 150 Rem put 21% 2 gms LiOH 7308



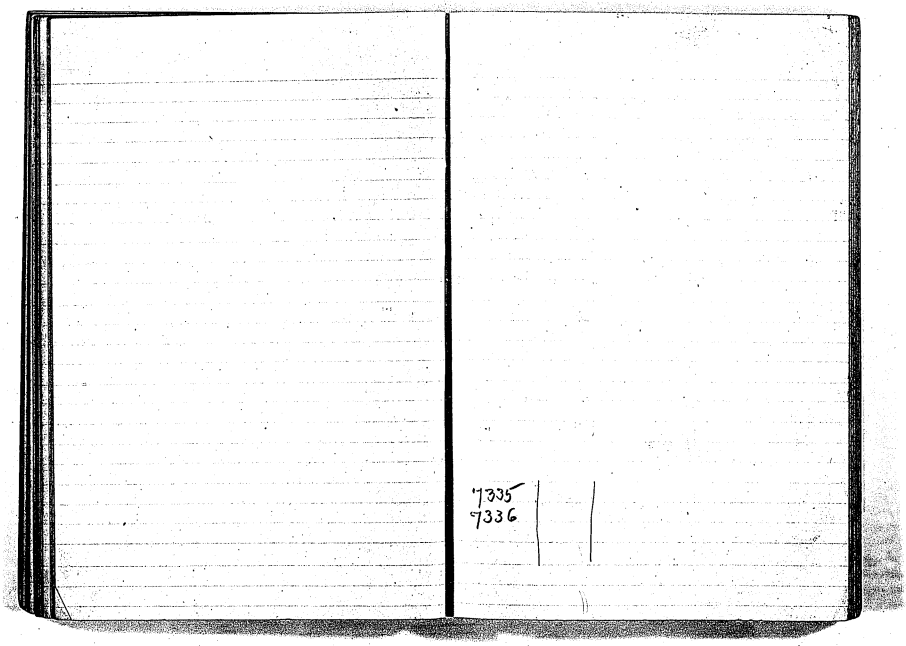
150

| | | | |
|---|---|---|---|
| | 150 | | |
| 7296 | 923 | Set aside — | |
| 7297 | 923 | | |
| 7298 | 950 100 | | |
| 7299 | 1017 | | |
| 7800 | 1030 | | |
| 7301 | 1023 | | |
| 7302 | Skipped | 967 | |
| 7303 | over 100 mm | 983 | |
| 7304 | 100 | 973 | |
| 7305 | 1110 | 1047 | |
| 7306 | 1143 | 1090 | |
| 7307 | 1150 150 | 1097 | |
| 7308 | 1010 | 1053 | |
| 7309 | 1080 | 1100 | |
| 7310 | 1099 | 1120 | |
| 7311 | 1117 | 1130 | |
| 7312 | 1033 | 1063 | |
| 7313 | 1067 | 1097 | |

| | | | | | |
|---|---|---|---|---|---|
| 7314 | 917 | 1090 | 1113 | 1111 | 1104 |
| 15 | 970 | 1123 | | | |
| 16 | 963 KOH | 1113 KOH | | | |
| 17 | 923 | 1013 | 1050 | | |
| 18 | 753 | 978 | 1028 | 1040 | 1044 |
| 19 | 850 KOH | 1040 KOH | 1047 KOH | | |
| 20 | 903 | 1085 | | | |
| 21 | 960 | 1113 | 1113 | 1120 | 1121 |
| 22 | 937 KOH | 1097 KOH | | | |
| 23 | 947 | 1147 | | | |
| 24 | 977 | 1133 | 1132 | 1137 | 1130 |
| 25 | 958 KOH | 1110 KOH | | | |
| 26 | 987 | 1133 | | | |
| 27 | 993 | 1163 | 1176 | 1164 | 1156 |
| 28 | 1013 KOH | 1170 KOH | | | |
| 29 | 893 | | | | |
| 30 | 900 | 1069 | 1099 | 1090 | |
| 31 | 853 KOH | | | | |
| 32 | | | | | |
| 33 | 815 | 1046 | 1088 | | |
| 34 | | | | | |
| 35 | 817 | 1061 | 1105 | | |
| 36 | | | | | |
| 37 | | | | | |

Lower Loading

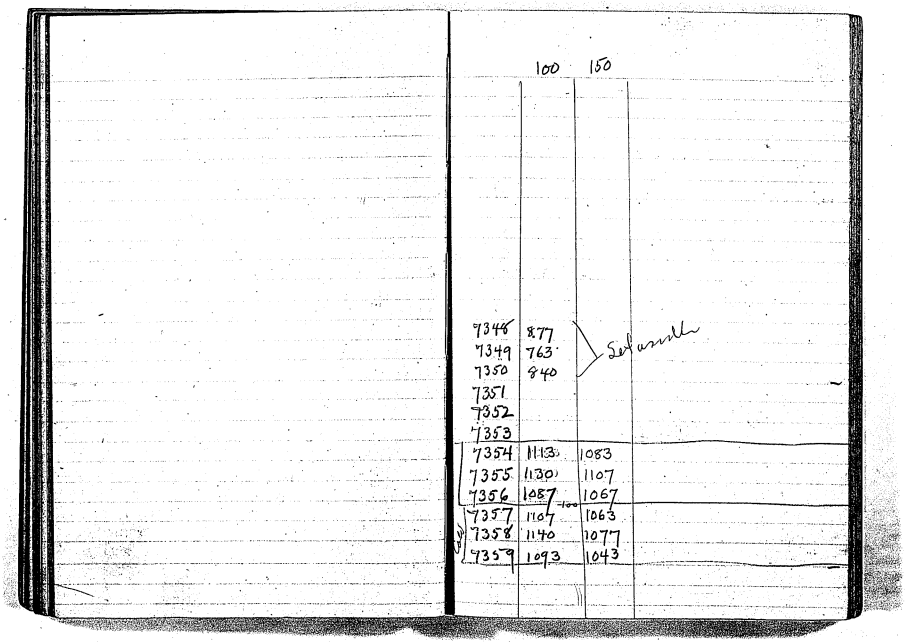
| | | | | | |
|---|---|---|---|---|---|
| | | | | 25 | 50 |
| Lower load | | | | | |
| 21 Hole 005 1½ 3½ 237 708 Big Bruin Flake 99 Schuckers in very little HCP to clear plankton chemical sanitizer 99 in little flakes 7th 24 ff | 7314 | 1090 | 937 | 920 | |
| | 7315 | 1110 | 980 | 933 Co | |
| 21½ KOH. 5.78 | 7316 | 1113 | 867 | 903 | |
| Drop 7314 | 7317 | 1050 | 920 | 893 | |
| Except No 99 flake. | 7318 | 1090 | 797 | 723 Co | |
| Mostly 5.93 | 7319 | 1063 | 943 | 933 | |
| Drop 7314 | 7320 | 1110 | 1010 | 983 | |
| Except flake 101 Blanked Cobalt. 5.81 | 7321 | 1130 | 973 | 940 Co | |
| | 7322 | 1123 | 1010 | 983 | |
| 21 Hole 005 1½ 3½ 245 | 7323 | 1143 | 1020 | 930 | |
| plenty Jubra young grounds to 7/1000 flake 65 Hole 20 66 mm 1035 24 ff and 20 — 7th 24 708 Big Bruin 21½ KOH — 5.83 | 7324 | 1133 | 1010 | 973 Co | |
| | 7325 | 1113 | 1023 | 980 | |
| 21 Hole 005 1½ 3½ 237 Lower 708 Big Bruin 84 flake clones Bismuth Bi Mg — HCP — hot. flake failed 5.99 | 7326 | 1143 | 1020 | 933 | |
| | 7327 | 1157 | 1030 | 970 Co | |
| | 7328 | 1167 | 1020 | 987 | |
| 21 Hole 005 1½ 3½ 237 24 g 708 Big Bruin Lower load 7th 980 99½ — 24 ff 21½ KOH — 5.85 | 7329 | 1063 | 967 | | |
| | 7330 | 1053 | 947 | Co | |
| | 7331 | 1040 | 853 | | |
| 21 Hole 005 1½ 3½ 237 — Lower 24 g 708 Big Bruin + Bismuth Bi Mg Conditioner + 1 flake HCP + Ammonium Citrate + 1 g Castile Soap with Ammonium Citrate 7th 24 ff 21½ KOH 5.88 | 7332 | 1083 | 870 | | |
| | 7333 | 1083 | 933 | Co | |
| | | 000 | | | |
| Dry of 7332 | 7335 | 1120 | 1083 | 1053 | |
| Except 83 flake with Bismuth and many HCP lint Dead flakes — 21½ KOH 5.81 | 7336 | 1100 | 1023 | 997 | |
| | 7337 | — | — | Co | |


7335
7336

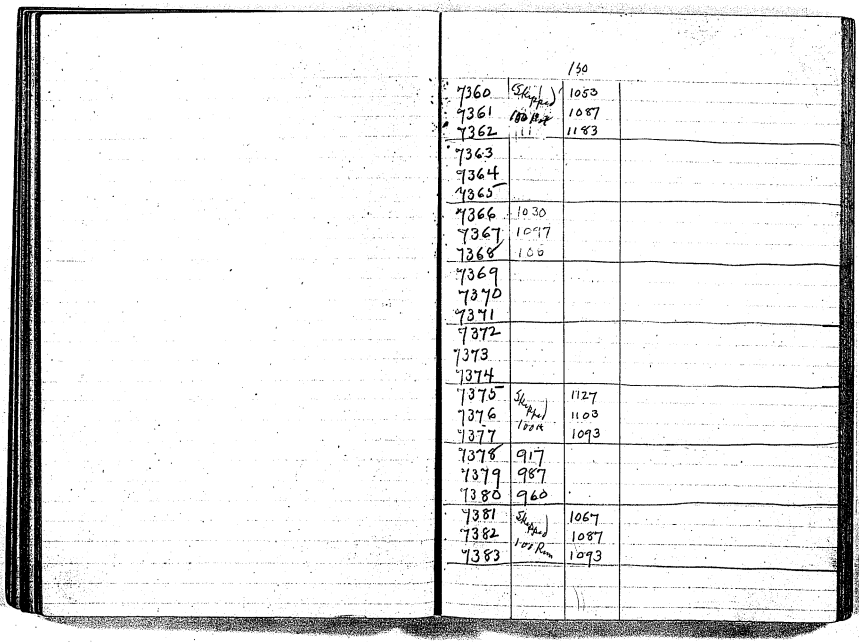
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7338 | 852 | 1045 | | | | | | | | |
| 7339 | | | | | | | | | | |
| 7340 | | | | | | | | | | |
| 7341 | 883 | 1089 | | | | | | | | |
| 7342 | | | | | | | | | | |
| 7343 | 900 | 1086 | | | | | | | | |
| 7344 | | | | | | | | | | |
| 7345 | 808 | 1062 | | | | | | | | |
| 7346 | | | | | | | | | | |
| 7347 | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 25 | 50 |
| Dup 7332 Except 94 gl treated Richmark 4 Bl Hdlr Cameo st by g Slurry Silver polish — 21% KOH 5.87 | | | | | | | 7338 | 1050 | 883 | C0 |
| | | | | | | | 7339 | 1057 | 903 | |
| | | | | | | | 600 | | | |
| Dup 7332 Except 94 gl treated Chk Pink Brown in a gum Rag 21% KOH 5.85 — | | | | | | | 7340 | 1100 | 957 | C0 |
| | | | | | | | 7341 | 1093 | 950 | |
| | | | | | | | 7342 | 1110 | 910 | |
| Dup 7332 Except 94 gl treated Platinum in a gum Rag 2 no Brown — clay — 21% KOH — 5.88 | | | | | | | 7343 | 1067 | 910 | C0 |
| | | | | | | | 7344 | 1097 | 940 | |
| | | | | | | | 600 | | | |
| Dup 7332 Except Bridgin in a gum R 94 gl — Black black 21% 6.10. | | | | | | | 7345 | 1067 | 877 | C0 |
| | | | | | | | 7346 | 1120 | 983 | |
| | | | | | | | 7347 | 1057 | 873 | |
| 21 Hole ops 1-2 3-4 237 Iro 100 gl 8% Copper 9714 — 24 gl 108 Big Drum — 1 in Blooming 21% KOH 5.81 | | | | | | | 7348 | 1083 | 933 | 917 |
| | | | | | | | 7349 | 1107 | 927 | 873 |
| | | | | | | | 7350 | 1064 | 913 | 897 |
| Dup 7348 — Except was Green thick Copper Sorted in acetic Burnisher Chem Loaded in KOH, 708 Big Drum unwashed 21% KOH — 5.81 | | | | | | | 7351 | 1107 | 993 | |
| | | | | | | | 7352 | 1110 | 1033 | |
| | | | | | | | 7353 | 1123 | 1060 | |
| Dup 7348 Except 21% KOH, 2 gms of KH, 5.80 | | | | | | | 7354 | 1057 | 1080 | 1063 |
| | | | | | | | 7355 | 1040 | 1080 | 1090 |
| | | | | | | | 7356 | 1037 | 1058 | 1060 |
| Dup 7348 Except 21% KOH 2 gms KOH RUNCOLD 5.84 | | | | | | | 7357 | 1040 | 1067 | 1087 |
| | | | | | | | 7358 | 1047 | 1107 | 1107 |
| | | | | | | | 7359 | 1030 | 1083 | 1080 |

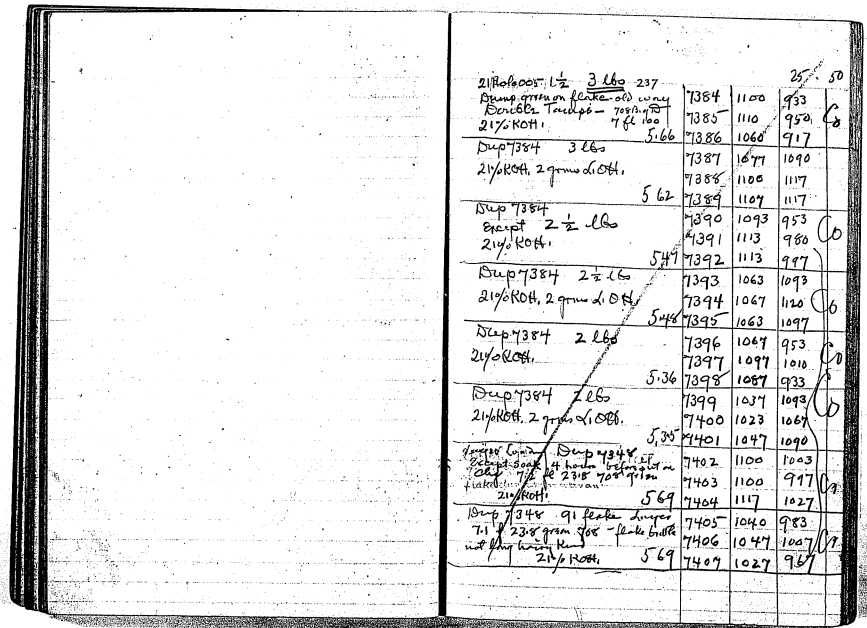
* Notice there is very little Bounce to plunger in the 100 flake It does like 10 plunge —


100
150
7348
7349
7350
7351
7352
7353
7354
7355
7356
7357
7358
7359
877
763
840
1113
1130
1087
1107
1140
1093
1083
1107
1067
1063
1077
1043
Set aside

| | | | 25 | 50 |
|---|---|---|---|---|
| Dup 7348 Except 25% KOH 2 grms di Off — Each cell 5.89 | 7360 | 1030 | 1047 | 997 |
| | 7361 | 1057 | 1087 | 1067 |
| | 7362 | 1063 | 1113 | 1113 |
| Dup 7348 Except green dumps on top of flake. Double Tamps off way - 21% KOH 5.95 | 7363 | 1023 | | |
| | 7364 | 1064 | | |
| | 7365 | 1060 | | |
| Dup 7348 green dumped on flake Double tamps off way Thrown out 21% KOH, 2 grms of OH. 5.94 | 7366 | 1057 | 1097 | 1030 |
| | 7367 | 1080 | 1100 Co | 1097 |
| | 7368 | 1077 | 1073 | 1060 |
| Dup 7348 green dumped on top flake - Double Tamps off way floor 21% KOH 2 grms of OH. RUN COIL 5.93 | 7369 | 1043 | Co | 1070 |
| | 7370 | 1067 | | 1088 |
| | 7371 | 1087 | | 1117 |
| Dup 7348 Except use 3 lb coil - 21% KOH - 5.75 | 7372 | 1113 | 973 | |
| | 7373 | 1090 | 910 | Co |
| | 7374 | 1087 | 970 | |
| Dup 7348 Except 3 lb coil 21% KOH, 2 grms of OH. 5.57 | 7375 | 1020 | 1147 | 1143 |
| | 7376 | 1030 | 1103 | 1110 |
| | 7377 | 1033 | 1110 | 1110 |
| Dup 7348 Except use 2 1/2 lb coil 21% KOH. 5.48 | 7378 | 1060 | 977 | 963 |
| | 7379 | 1100 | 1043 | 1047 |
| | 7380 | 1080 | 1007 | 1013 |
| Dup 7348 Except use 2 1/2 lb coil 21% KOH, 2 grms of OH, 5.48 | 7381 | 997 | 1108 | 1090 |
| | 7382 | 997 | 1103 | 1097 |
| | 7383 | 993 | 1120 | 1083 |



| | | 150 |
|---|---|---|
| 7360 | Sh. Pkm | 1053 |
| 7361 | 150 Pkm | 1087 |
| 7362 | " | 1183 |
| 7363 | | |
| 7364 | | |
| 7365 | | |
| 7366 | 1030 | |
| 7367 | 1097 | |
| 7368 | 100 | |
| 7369 | | |
| 7370 | | |
| 7371 | | |
| 7372 | | |
| 7373 | | |
| 7374 | | |
| 7375 | Sh. Pkm | 1127 |
| 7376 | 150 Pkm | 1103 |
| 7377 | | 1093 |
| 7378 | 917 | |
| 7379 | 987 | |
| 7380 | 960 | |
| 7381 | Sh. Pkm | 1067 |
| 7382 | 150 Pkm | 1087 |
| 7383 | | 1093 |



21% KOH: 1½ 3 lbs 237
Dump green on flake-aid wire
Bench Tare pc – 708 grm
21% KOH. 7 pc 100
5.66

Dup 7384 3 lbs
21% KOH, 2 grms LiOH.
5.62

Dup 7384
except 2½ lbs
21% KOH.
5.47

Dup 7384 2½ lbs
21% KOH, 2 grms LiOH
5.48

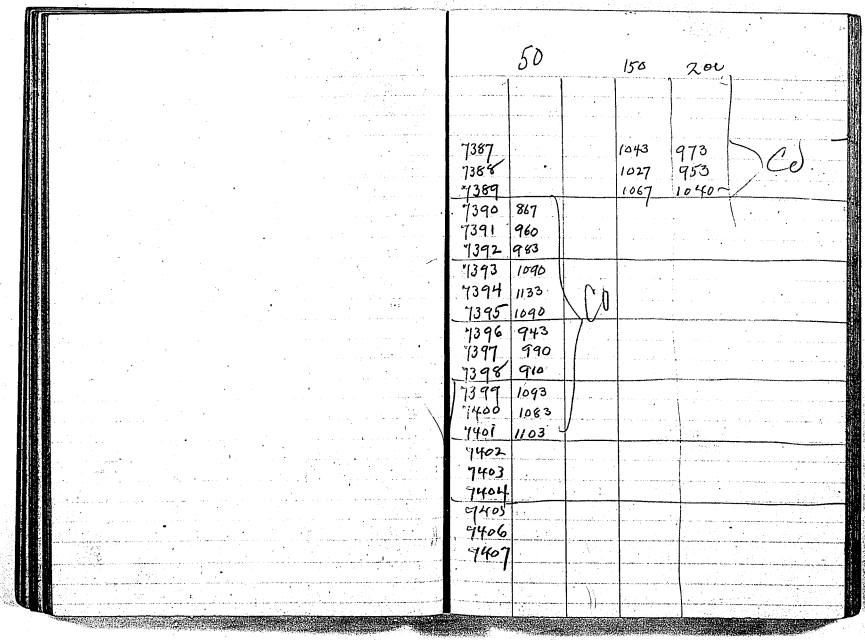
Dup 7384 2 lbs
21% KOH.
5.36

Dup 7384 2 lbs
21% KOH, 2 grms LiOH.
5.39

Dup 7348 9½ flake Jumper
Soak 24 hours before Lion
Cell 7.1 pc 238 708 grm
flake-aid wire
21% KOH.
5.69

Dup 7348 9½ flake Jumper
7.1 238 grm 708 – flake braid
wire
21% KOH.
5.69

| | | | 25 . 50 |
|---|---|---|---|
| 7384 | 1100 | 933 | |
| 7385 | 1110 | 950 | C8 |
| 7386 | 1060 | 917 | |
| 7387 | 1077 | 1090 | |
| 7388 | 1100 | 1117 | |
| 7389 | 1107 | 1117 | |
| 7390 | 1093 | 953 | |
| 7391 | 1113 | 980 | C10 |
| 7392 | 1113 | 997 | |
| 7393 | 1063 | 1093 | |
| 7394 | 1067 | 1120 | C6 |
| 7395 | 1063 | 1097 | |
| 7396 | 1069 | 953 | |
| 7397 | 1097 | 1010 | C9 |
| 7398 | 1087 | 933 | |
| 7399 | 1037 | 1093 | |
| 7400 | 1023 | 1067 | C6 |
| 7401 | 1047 | 1090 | |
| 7402 | 1100 | 1003 | |
| 7403 | 1100 | 997 | C9 |
| 7404 | 1117 | 1027 | |
| 7405 | 1040 | 983 | |
| 7406 | 1047 | 1007 | C9 |
| 7407 | 1027 | 967 | |



50 150 200

| | | | | |
|---|---|---|---|---|
| 7387 | | | 1043 | 973 |
| 7388 | | | 1027 | 953 |
| 7389 | | | 1067 | 1040 |
| 7390 | 867 | | | |
| 7391 | 960 | | | |
| 7392 | 983 | | | |
| 7393 | 1090 | | | |
| 7394 | 1133 | | | |
| 7395 | 1090 | | | |
| 7396 | 943 | | | |
| 7397 | 990 | | | |
| 7398 | 910 | | | |
| 7399 | 1093 | | | |
| 7400 | 1083 | | | |
| 7401 | 1103 | | | |
| 7402 | | | | |
| 7403 | | | | |
| 7404 | | | | |
| 7405 | | | | |
| 7406 | | | | |
| 7407 | | | | |

Dup 7405
Except 21-1/2 Kott 2 grms Lodt.
7.1 f 23.8 grain No2 1033 ft
5.69

Dup 7409
Except 21-1/2 Kott 2 grms Lodt.
7.1 f 23.8 No2 RUN COL
5.65

2 Holes cut 1 1/2 3 1/2 237 Winger
105 flake 7 f 24 No2 by Dram
21-1/2 Kott.
5.74

Dup 7414
21-1/2 Kott 2 grms Lodt.
5.74

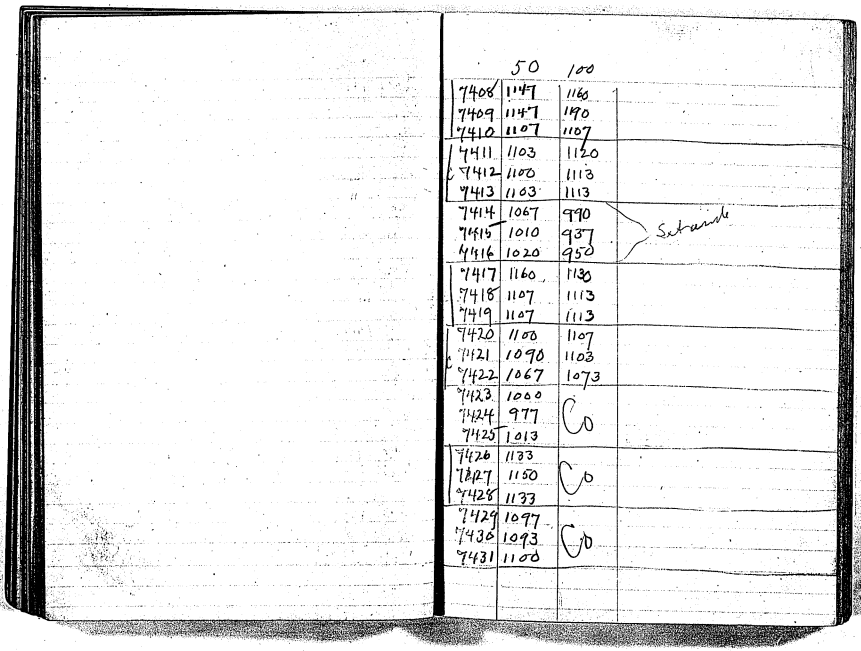
Dup 7414
21-1/2 Kott 2 grms Lodt
RUN COL
5.73

~~2 Holes cut~~ 3 1/2 237 Winger
105 A flake — ~~7.1~~ by Dram
21-1/2 Kott 7.3 f 23.8 grain
1033 ft
5.73

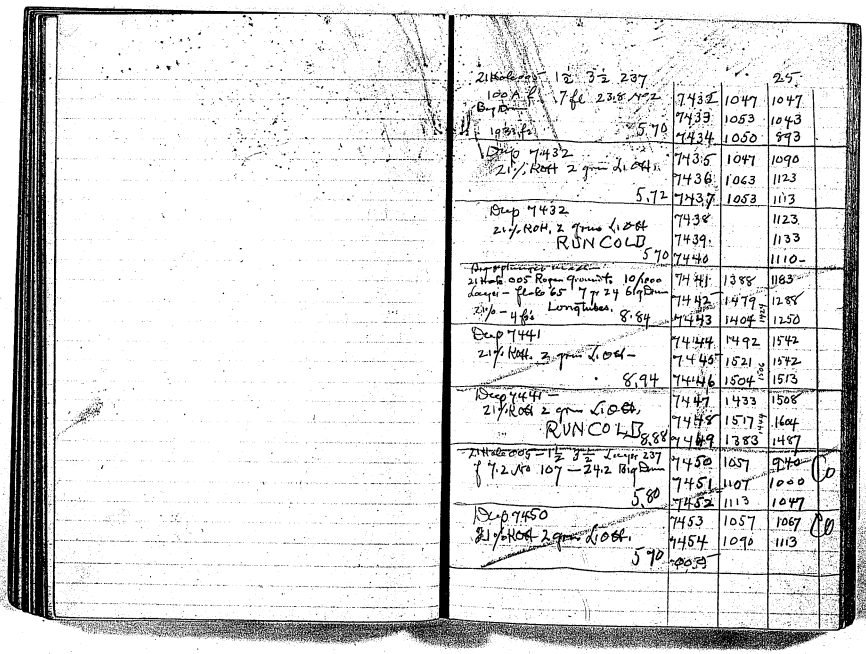
Dup 7423
21-1/2 Kott, 2 grms Lodt
5.78

Dup 7423 — ~~21-1/2 Kott~~
2 grms Lodt
RUN COL
5.78

| | | | |
|---|---|---|---|
| 7408 | 1040 | 1110 | |
| 7409 | 1043 | 1120 | |
| 7410 | 1043 | 1117 | |
| 7411 | 1040 | 1117 | |
| 7412 | 1040 | 1110 | |
| 7413 | 1037 | 1093 | |
| 7414 | 1110 | 1067 | |
| 7415 | 1087 | 1030 | |
| 7416 | 1087 | 1047 | |
| 7417 | 1027 | 1127 | |
| 7418 | 1020 | 1117 | |
| 7419 | 1023 | 1083 | |
| 7420 | 1033 | 1083 | |
| 7421 | 1013 | 1087 | |
| 7422 | 1037 | 1080 | |
| 7423 | 1113 | 833 | |
| 7424 | 1087 | 1043 Co | |
| 7425 | 1096 | 988 | |
| 7426 | 1023 | 1090 | |
| 7427 | 1040 | 1117 Co | |
| 7428 | 1037 | 1117 | |
| 7429 | 1037 | 1100 | |
| 7430 | 1023 | 1100 Co | |
| 7431 | 1043 | 1087 | |
| 7432 | | | |



| | 50 | 100 | |
|---|---|---|---|
| 7408 | 1147 | 1160 | |
| 7409 | 1147 | 1190 | |
| 7410 | 1107 | 1107 | |
| 7411 | 1103 | 1120 | |
| 7412 | 1100 | 1113 | |
| 7413 | 1103 | 1113 | |
| 7414 | 1067 | 990 | Set aside |
| 7415 | 1010 | 937 | |
| 7416 | 1020 | 950 | |
| 7417 | 1160 | 1130 | |
| 7418 | 1107 | 1113 | |
| 7419 | 1107 | 1113 | |
| 7420 | 1100 | 1107 | |
| 7121 | 1090 | 1103 | |
| 7422 | 1067 | 1073 | |
| 7423 | 1000 | | |
| 7424 | 977 | | Co |
| 7425 | 1013 | | |
| 7426 | 1133 | | |
| 7427 | 1150 | | Co |
| 7428 | 1133 | | |
| 7429 | 1097 | | |
| 7430 | 1093 | | Co |
| 7431 | 1100 | | |



21 Hole 005 Rose granite 10/000 Longtube 12 3 2 237
100 A ft. 17 ft 23.8 Nr2
Big Bore
1 1931 ft
5.70

Dup 7432
21% ROH 2 gm 1.064
5.72

Dup 7432
21% ROH, 2 gms 1.064
RUN COLD
5.70

21 Hole 005 Rose granite 10/000 Longtube 12 3 2 237
100 A ft. 17 ft 23.8 Nr2
Big Bore
1 1931 ft
5.70

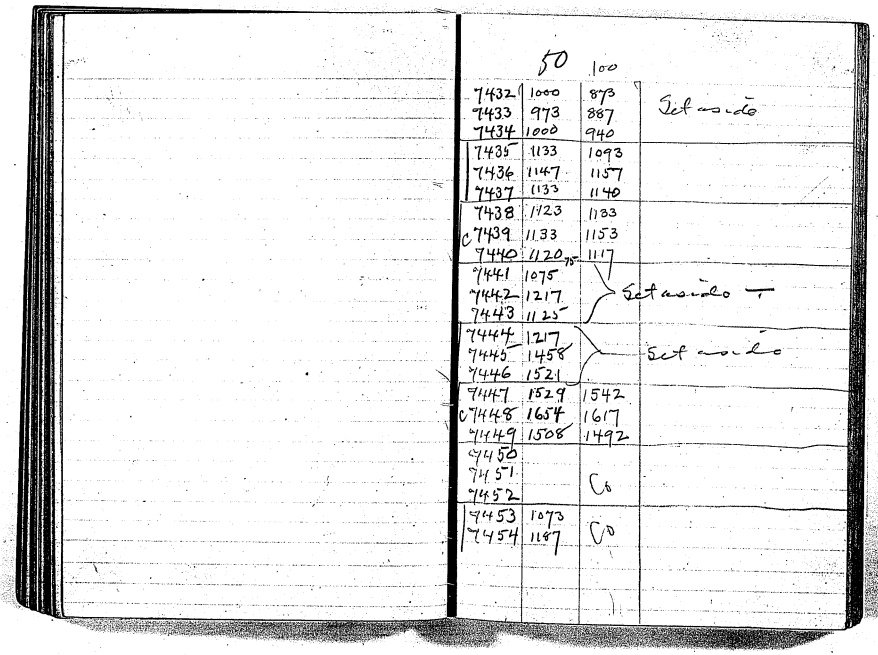
Dup 7441
21% ROH 2 gm 1.064
8.94

Dup 7441
21% ROH 2 gm 1.064
RUN COLD
8.88

21 Hole 005 - 1 1/2 3 2 237
7 7.2 Nr2 107 - 24.2 Big Bore
5.80

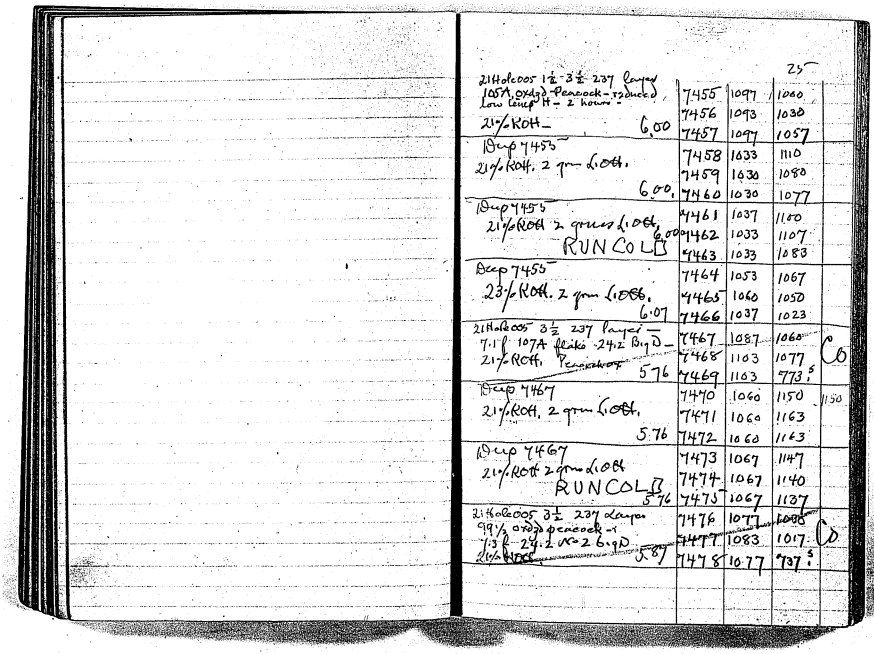
Dup 7450
21% ROH 2 gm 1.064
5.70

| | | | |
|---|---|---|---|
| 7432 | 1047 | 1047 | |
| 7433 | 1053 | 1043 | |
| 7434 | 1050 | 893 | |
| 7435 | 1041 | 1090 | |
| 7436 | 1063 | 1123 | |
| 7437 | 1053 | 1113 | |
| 7438 | | 1123 | |
| 7439 | | 1133 | |
| 7440 | | 1110 | |
| 7441 | 1388 | 1183 | |
| 7442 | 1479 | 1285 | |
| 7443 | 1404 | 1250 | |
| 7444 | 1492 | 1542 | |
| 7445 | 1521 | 1572 | |
| 7446 | 1504 | 1513 | |
| 7447 | 1433 | 1508 | |
| 7448 | 1517 | 1604 | |
| 7449 | 1383 | 1487 | |
| 7450 | 1057 | 1040 | CO |
| 7451 | 1107 | 1000 | |
| 7452 | 1113 | 1047 | |
| 7453 | 1057 | 1067 | CO |
| 7454 | 1090 | 1113 | |



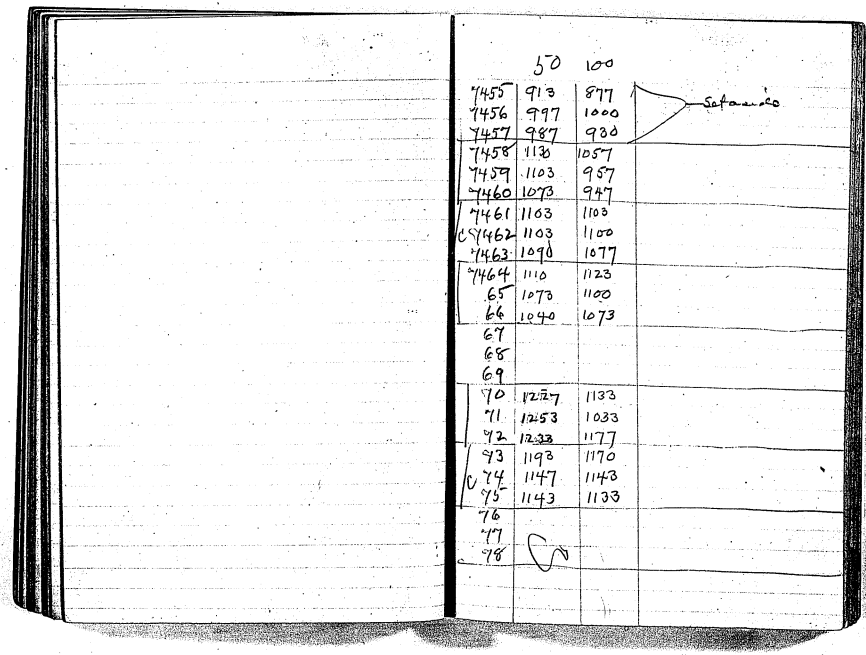
50 100

| | | | |
|---|---|---|---|
| 7432 | 1000 | 873 | Set aside |
| 7433 | 973 | 887 | |
| 7434 | 1000 | 940 | |
| 7435 | 1133 | 1093 | |
| 7436 | 1147 | 1157 | |
| 7437 | 1133 | 1140 | |
| 7438 | 1123 | 1133 | |
| 7439 | 1133 | 1153 | |
| 7440 | 1120 75 | 1117 | |
| 7441 | 1075 | | Set aside 1 |
| 7442 | 1217 | | |
| 7443 | 1125 | | |
| 7444 | 1217 | | Set aside |
| 7445 | 1458 | | |
| 7446 | 1521 | | |
| 7447 | 1529 | 1542 | |
| 7448 | 1654 | 1617 | |
| 7449 | 1508 | 1492 | |
| 7450 | | | |
| 7451 | | Co | |
| 7452 | | | |
| 7453 | 1073 | Co | |
| 7454 | 1187 | | |

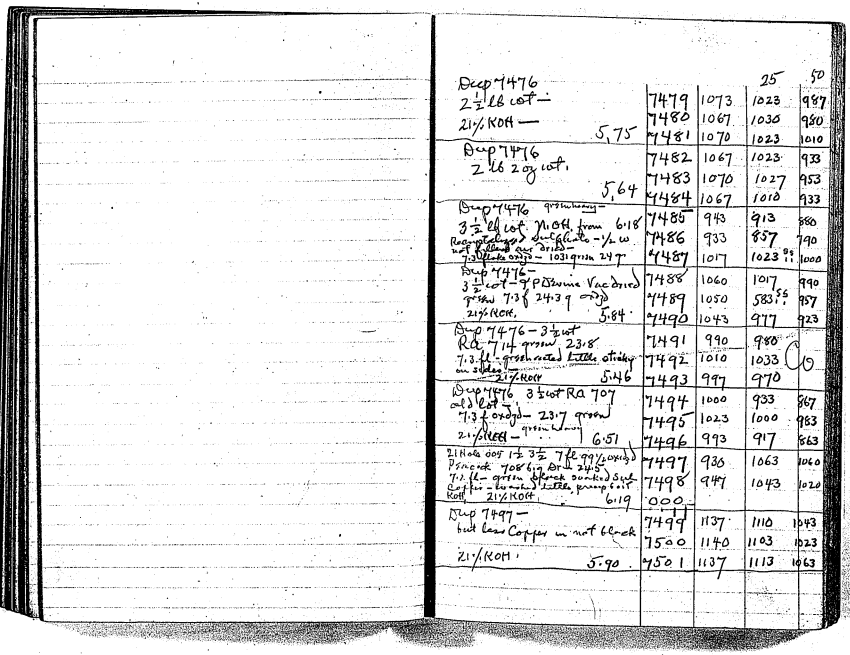


25

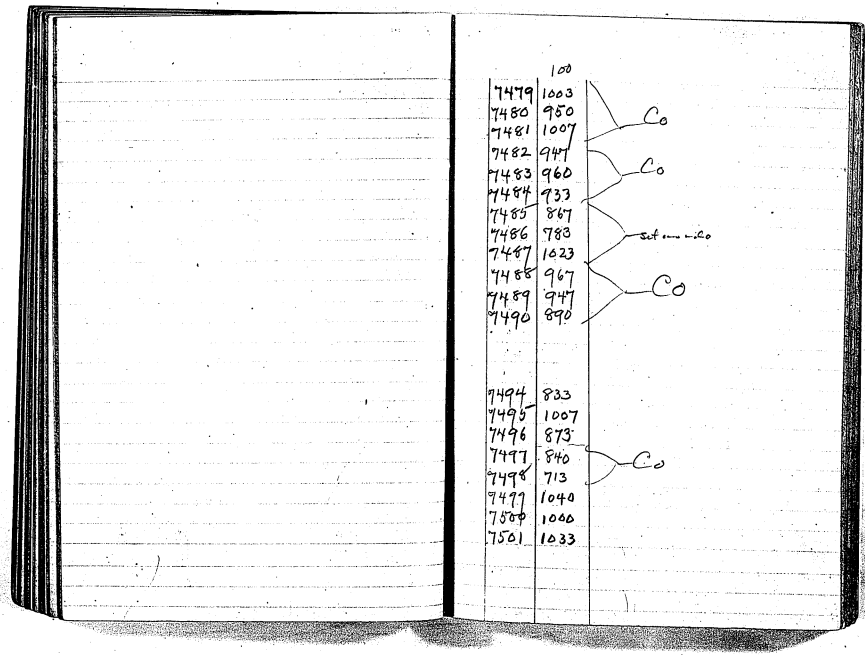
| | | | | |
|---|---|---|---|---|
| 21 Holcoos 1½-3½ 237 layer 105A oxid. Peacock - 72 bucket Low temp H - 2 hours | 7455 | 1097 | 1040 | |
| | 7456 | 1093 | 1030 | |
| 21% KOH 6.00 | 7457 | 1097 | 1057 | |
| Dup 7455 | 7458 | 1033 | 1110 | |
| 21% KOH. 2 gm LiOH. | 7459 | 1030 | 1080 | |
| 6.00 | 7460 | 1030 | 1077 | |
| Dup 7455 | 7461 | 1037 | 1100 | |
| 21% KOH 2 gms LiOH. | 7462 | 1033 | 1107 | |
| 6.00 RUN COLD | 7463 | 1033 | 1083 | |
| Dup 7455 | 7464 | 1053 | 1067 | |
| 23% KOH. 2 gm LiOH. | 7465 | 1060 | 1050 | |
| 6.07 | 7466 | 1037 | 1023 | |
| 21 Holcoos 3½ 237 layer | 7467 | 1087 | 1060 | CD |
| 7.1 f 107A flakes 24.2 Bird | 7468 | 1103 | 1077 | |
| 21% KOH. | 7469 | 1103 | 773.5 | |
| 5.76 | | | | |
| Dup 7467 | 7470 | 1060 | 1150 | 1150 |
| 21% KOH, 2 gm LiOH. | 7471 | 1060 | 1163 | |
| 5.76 | 7472 | 1060 | 1163 | |
| Dup 7467 | 7473 | 1067 | 1147 | |
| 21% KOH 2 gm LiOH | 7474 | 1067 | 1140 | |
| RUN COLD 5.76 | 7475 | 1067 | 1137 | |
| 21 Holcoos 3½ 237 layer | 7476 | 1077 | 1088 | |
| 99% oxid peacock - | 7477 | 1083 | 1017 | CD |
| 7.3 f 24.2 Bird | 7478 | 1077 | 737.5 | |
| 21% KOH 5.87 | | | | |

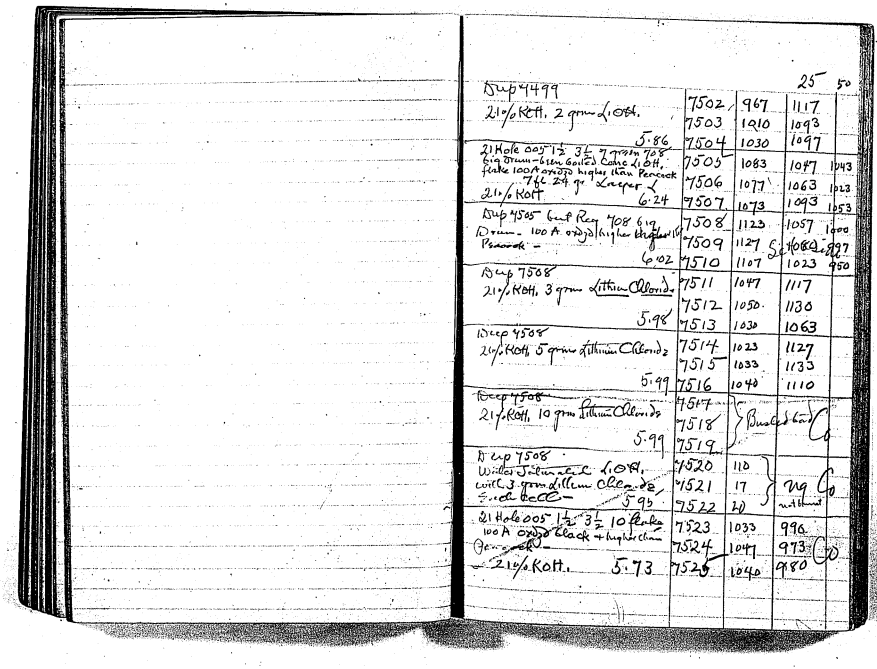


| | 50 | 100 | |
|---|---|---|---|
| 7455 | 913 | 877 | |
| 7456 | 997 | 1000 | Safavico |
| 7457 | 987 | 930 | |
| 7458 | 1130 | 1057 | |
| 7459 | 1103 | 957 | |
| 7460 | 1073 | 947 | |
| 7461 | 1103 | 1103 | |
| CS/7462 | 1103 | 1100 | |
| 7463 | 1090 | 1077 | |
| 7464 | 1110 | 1123 | |
| 65 | 1070 | 1100 | |
| 66 | 1040 | 1073 | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | 1227 | 1133 | |
| 71 | 1253 | 1033 | |
| 72 | 1233 | 1177 | |
| 73 | 1193 | 1170 | |
| U 74 | 1147 | 1143 | |
| 75 | 1143 | 1133 | |
| 76 | | | |
| 77 | | | |
| 78 | | | |



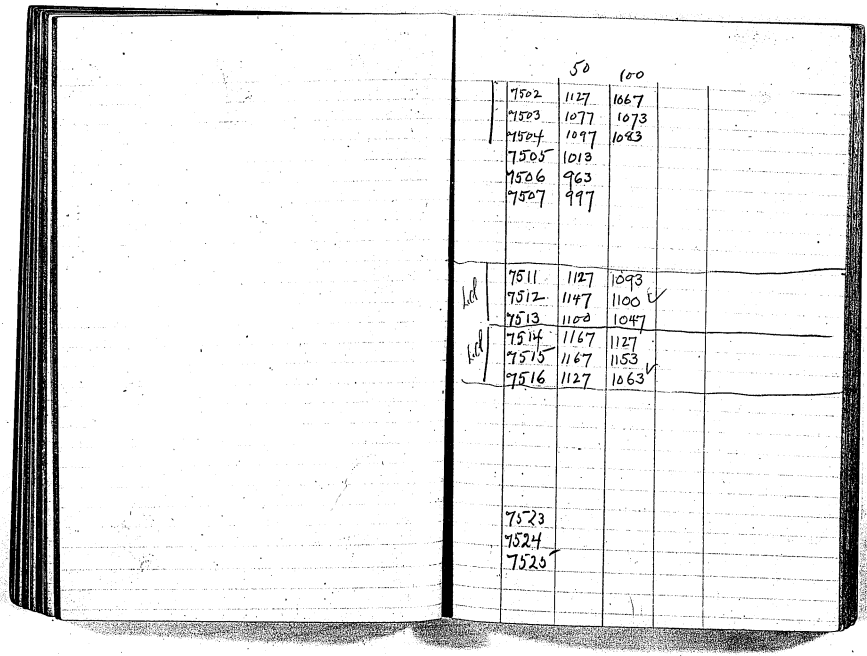
| | | | | 25 | 50 |
|---|---|---|---|---|---|
| Dup 7476 | | | | | |
| 2½ lb cot — | 7479 | 1073 | | 1023 | 987 |
| 21% KOH — | 7480 | 1067 | | 1030 | 980 |
| 5.75 | 7481 | 1070 | | 1023 | 1010 |
| Dup 7476 | | | | | |
| 2 lb 2 oz cot. | 7482 | 1067 | | 1023 | 933 |
| 5.64 | 7483 | 1070 | | 1027 | 953 |
| | 7484 | 1067 | | 1010 | 933 |
| Dup 7476 grain moving — | | | | | |
| 3½ lb cot 21% KOH from 6.18 | 7485 | 943 | | 913 | 880 |
| Rec'd cot — Sl. Gluc. — ½ w | 7486 | 933 | | 857 | 790 |
| not filled out area — | | | | 1023 95 | |
| 7.3 gluc. conc — 1031 grain 24 hr | 7487 | 1017 | | | 1000 |
| Dup 7476 — | | | | | |
| 3½ cot — 9 P Drum Vacuum | 7488 | 1060 | | 1017 | 990 |
| green 7.3 gl 24.3 g conc | 7489 | 1050 | | 583 56 | 857 |
| 21% KOH, 5.84 | 7490 | 1043 | | 977 | 923 |
| Dup 7476 — 3½ cot | | | | | |
| Ra 714 green 23.8 | 7491 | 990 | | 980 | |
| 7.3 gl — green-red a little sticky | 7492 | 1010 | | 1033 | 10 |
| on sides — 21% KOH 5.46 | 7493 | 997 | | 970 | |
| Dup 7476 3½ cot Ra 707 | | | | | |
| cot 2 lb 1 oz | 7494 | 1000 | | 933 | 967 |
| 7.3 gl conc — 23.7 green | 7495 | 1023 | | 1000 | 983 |
| 21% KOH — green 6.51 | 7496 | 993 | | 917 | 863 |
| 2.1 Hoh cot 1 lb 3½ lb 99% conc | 7497 | 936 | | 1063 | 1060 |
| Psmack 708 6.19 Drum 24.5 | 7498 | 947 | | 1043 | 1020 |
| 7.3 gl — green Glucose sounded Sl. | | | | | |
| Cot Sl — burnt Little grainy Little | | | | | |
| KOH 21% KOH 6.19 | 000 | | | | |
| Dup 7497 — | 7499 | 1137 | | 1110 | 1043 |
| but less Copper in not black | 7500 | 1140 | | 1103 | 1023 |
| 21% KOH 5.90 | 7501 | 1137 | | 1113 | 1063 |


100
7479 1003
7480 950
7481 1007
7482 947
7483 960
7484 933
7485 867
7486 783
7487 1623
7488 967
7489 947
7490 890
7494 833
7495 1007
7496 873
7497 840
7498 713
7499 1040
7500 1000
7501 1033
Co
Co
Co
Sat. ions in Co

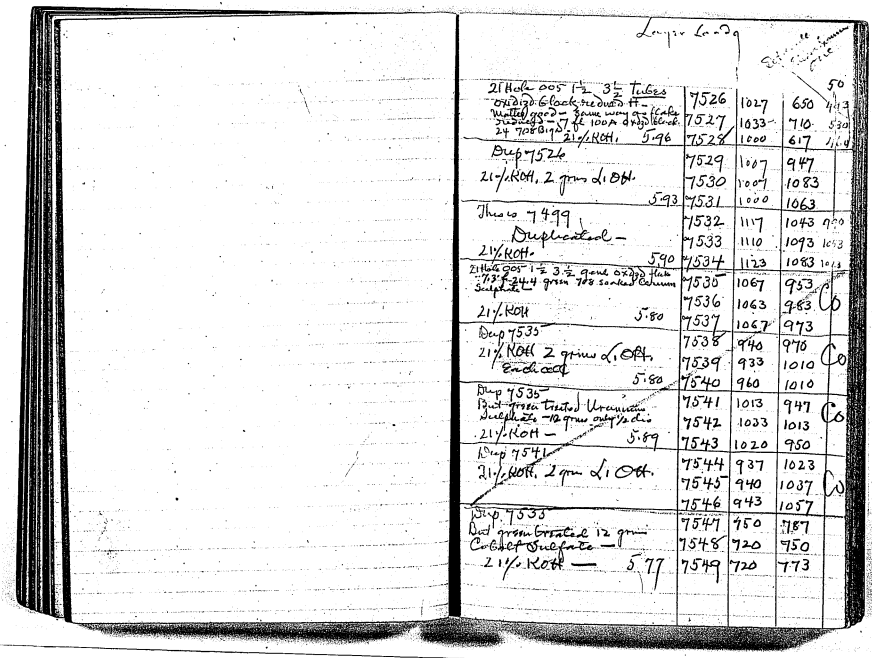


25 50

| | | | | |
|---|---|---|---|---|
| Dup 4499 | | | | |
| 21% Kott. 2 gram Lithol. | 7502 | 967 | 1117 | |
| | 7503 | 1010 | 1093 | |
| 5.86 | 7504 | 1030 | 1097 | |
| 21 Hole .005" 1½ 3½ 7 gram 708 big Drum-blue Coated Cone Lithol flake 100A or 030 higher than Peacock 7th 24 gr Lacquer L | 7505 | 1083 | 1047 | 1043 |
| | 7506 | 1077 | 1063 | 1023 |
| 21% Kott 6.24 | 7507 | 1073 | 1093 | 1053 |
| Dup 4505 Coat Reg 708 big Drum - 100 A or 030 higher than Peacock - | 7508 | 1123 | 1057 | 1000 |
| | 7509 | 1127 | 1082 | 997 |
| 6.02 | 7510 | 1107 | 1023 | 950 |
| Dup 7508 | | | | |
| 21% Kott. 3 gram Lithium Chloride | 7511 | 1047 | 1117 | |
| | 7512 | 1050 | 1130 | |
| 5.98 | 7513 | 1030 | 1063 | |
| Dup 4508 | | | | |
| 21% Kott 5 gram Lithium Chloride | 7514 | 1023 | 1127 | |
| | 7515 | 1033 | 1133 | |
| 5.99 | 7516 | 1040 | 1110 | |
| Dup 7508 | | | | |
| 21% Kott. 10 gram Lithium Chloride | 7517 | Brush | Coat | |
| | 7518 | | | |
| 5.99 | 7519 | | | |
| Dup 7508 | | | | |
| Willes Intimate Lith. | 7520 | 110 | | |
| with 3 gram Lithium Chloride | 7521 | 17 | Rg | |
| Fine bell | 7522 | 20 | without | |
| 5.95 | | | | |
| 21 Hole .005" 1½ 3½ 10 flake 100 A or 030 black + higher than Peacock | 7523 | 1033 | 996 | |
| | 7524 | 1047 | 973 | |
| 21% Kott. 5.73 | 7525 | 1040 | 980 | |

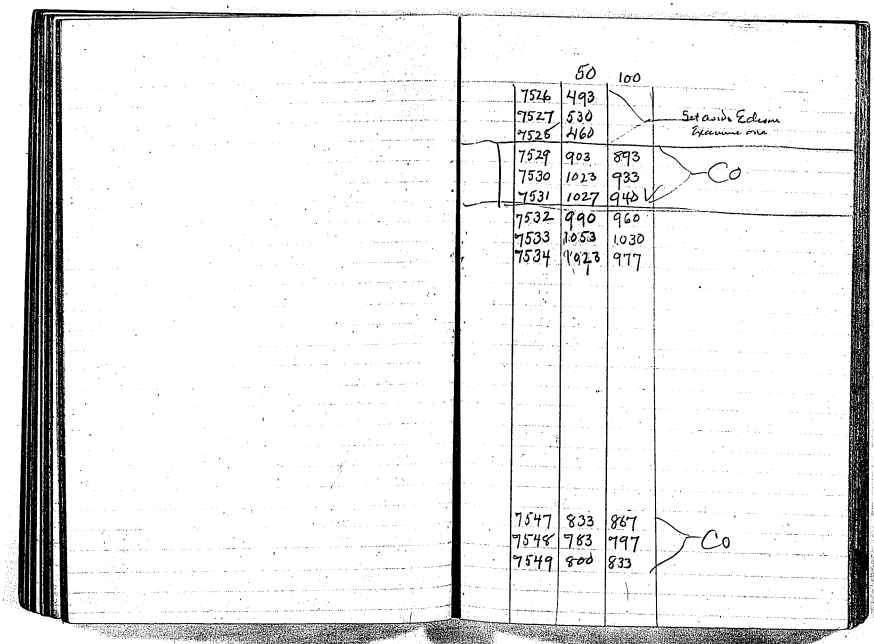


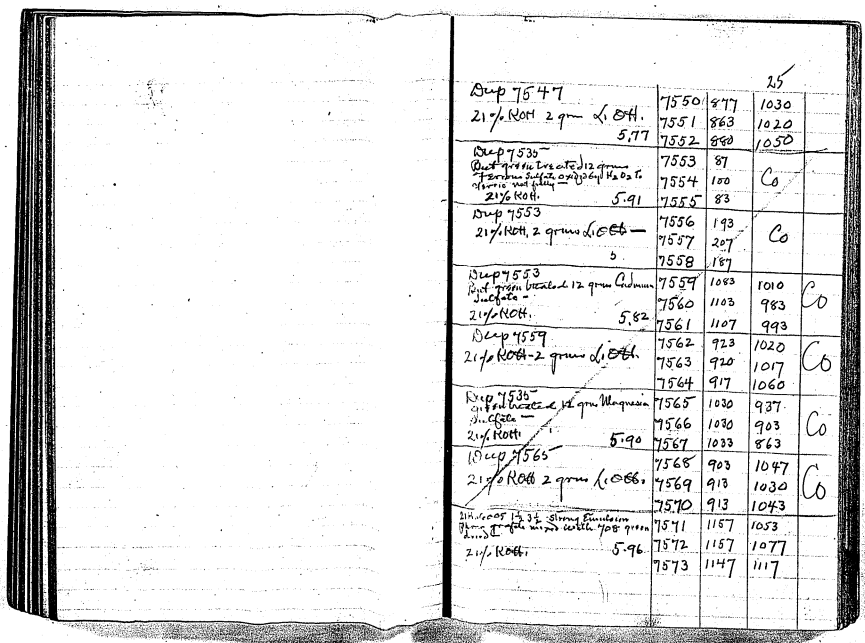
| | | 50 | 100 |
|---|---|---|---|
| | 7502 | 1127 | 1067 |
| | 7503 | 1077 | 1073 |
| | 7504 | 1097 | 1083 |
| | 7505 | 1013 | |
| | 7506 | 963 | |
| | 7507 | 997 | |
| | | | |
| | | | |
| | 7511 | 1127 | 1093 |
| hall | 7512 | 1147 | 1100 ✓ |
| | 7513 | 1108 | 1047 |
| | 7514 | 1167 | 1127 |
| hall | 7515 | 1167 | 1153 |
| | 7516 | 1127 | 1063 ✓ |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | 7523 | | |
| | 7524 | | |
| | 7525 | | |



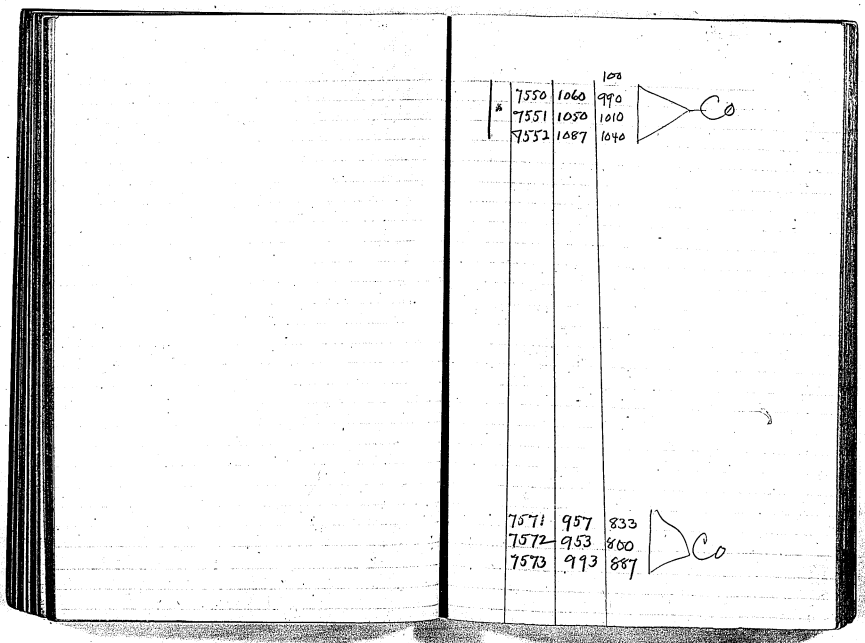
Lamps Lab 29

| | | | | |
|---|---|---|---|---|
| 21 Hole 205 1½ 3½ Tubes oxidized black, reduced H₂ — wanted 1000 gms running as Cobalt 7526 | 7526 | 1027 | 650 | 50 |
| 24 708 Bigs 21 21%KOH. 5.96 | 7527 | 1033 | 710 | 530 |
| | 7528 | 1000 | 617 | |
| Dup 7526 | 7529 | 1007 | 947 | |
| 21%KOH, 2 gms Li OH. 5.93 | 7530 | 1007 | 1083 | |
| | 7531 | 1000 | 1063 | |
| Thurs 7499 Duplicated — | 7532 | 1117 | 1043 | 970 |
| 21%KOH. 5.90 | 7533 | 1110 | 1093 | 1063 |
| | 7534 | 1123 | 1083 | 1013 |
| 21 Hole 205 1½ 3½ gave oxide tube 737 [illegible] 744 gave 768 soaked Calcium | 7535 | 1067 | 953 | Co |
| 21%KOH 5.80 | 7536 | 1063 | 983 | |
| | 7537 | 1067 | 973 | |
| Dup 7535 | 7538 | 940 | 970 | |
| 21%KOH 2 gms Li OH. Ended cool 5.80 | 7539 | 933 | 1010 | Co |
| | 7540 | 960 | 1010 | |
| Dup 7535 Bi-trace treated Uranium Sulphate — 12 gms into 21 dia | 7541 | 1013 | 947 | |
| 21%KOH — 5.89 | 7542 | 1033 | 1013 | Co |
| | 7543 | 1020 | 950 | |
| Dup 7544 | 7544 | 937 | 1023 | |
| 21%KOH. 2 gms Li OH. | 7545 | 940 | 1037 | Co |
| | 7546 | 943 | 1057 | |
| Dup 7535 | 7547 | 950 | 987 | |
| Dup gms treated 12 gms Cobalt Sulfate — | 7548 | 720 | 950 | |
| 21% KOH — 5.77 | 7549 | 720 | 773 | |

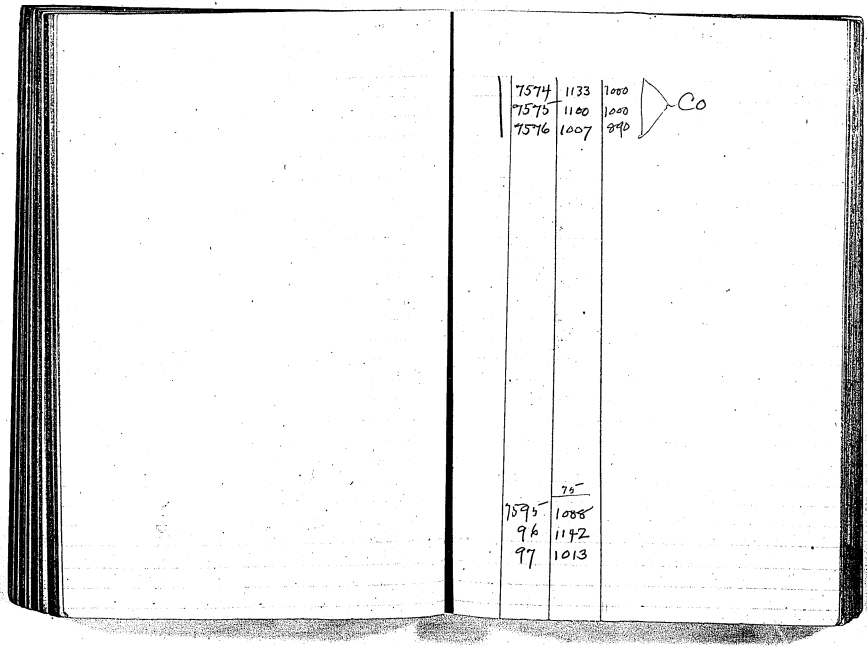

50
100
7526 493
7527 530
7528 460
Set aside Edema
Examine one
7529 903 893
7530 1023 933
7531 1027 940
Co
7532 990 960
7533 1053 1030
7534 1023 977
7547 833 867
7548 783 797
7549 800 833
Co

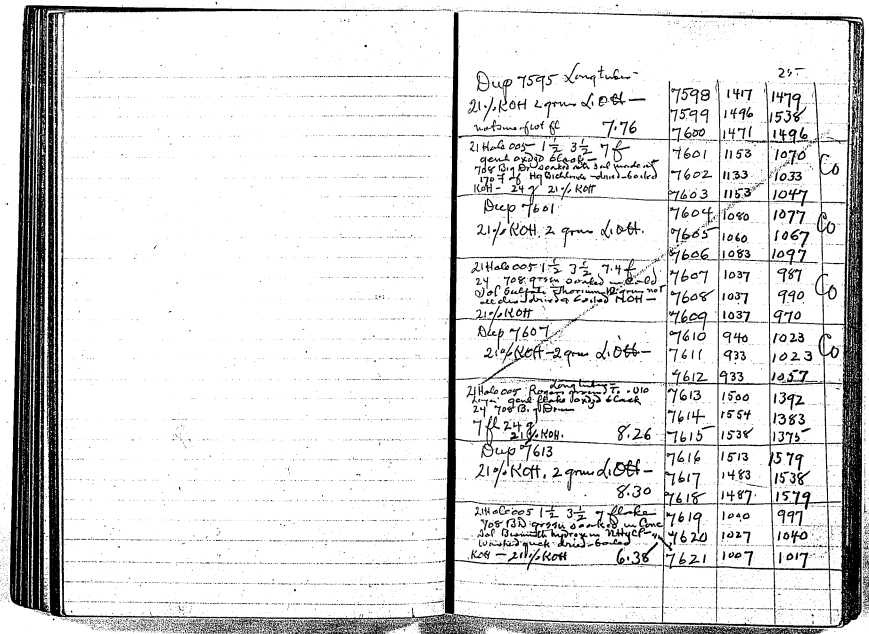


| | | | | | |
|---|---|---|---|---|---|
| | | | | 25 | |
| Dup 7547 | 7550 | 877 | 1030 | | |
| 21% KOH 2 gm 1.08H. | 7551 | 863 | 1020 | | |
| 5.77 | 7552 | 890 | 1050 | | |
| Dup 7535 | 7553 | 87 | | | |
| Quartz grain treated 12 grams | 7554 | 100 | Co | | |
| Ferrous Sulfate, oxidized $H_2O_2$ & | 7555 | 83 | | | |
| 21% KOH. 5.91 | | | | | |
| Dup 7553 | 7556 | 193 | | | |
| 21% KOH, 2 gms 1.08 — | 7557 | 207 | Co | | |
| 5 | 7558 | 187 | | | |
| Dup 7553 | 7559 | 1083 | 1010 | Co | |
| Pure grain treated 12 gms Cadmium | 7560 | 1103 | 983 | | |
| Sulfate — | 7561 | 1107 | 993 | | |
| 21% KOH. 5.82 | | | | | |
| Dup 7559 | 7562 | 923 | 1020 | | |
| 21% KOH 2 gms 1.08H. | 7563 | 920 | 1017 | Co | |
| | 7564 | 917 | 1060 | | |
| Dup 7535 | 7565 | 1030 | 937 | | |
| Pure grain treated 12 gm Magnesia | 7566 | 1030 | 903 | Co | |
| Sulfate — | 7567 | 1033 | 863 | | |
| 21% KOH 5.90 | | | | | |
| Dup 7565 | 7568 | 903 | 1047 | | |
| 21% KOH 2 gms 1.08. | 7569 | 913 | 1030 | Co | |
| | 7570 | 913 | 1043 | | |
| 21 Micaceous Iron Stone Specimen | 7571 | 1157 | 1053 | | |
| Ground to pass 35 mesh screen with 708 grams | 7572 | 1157 | 1077 | | |
| 21% KOH. 5.96 | 7573 | 1147 | 1117 | | |

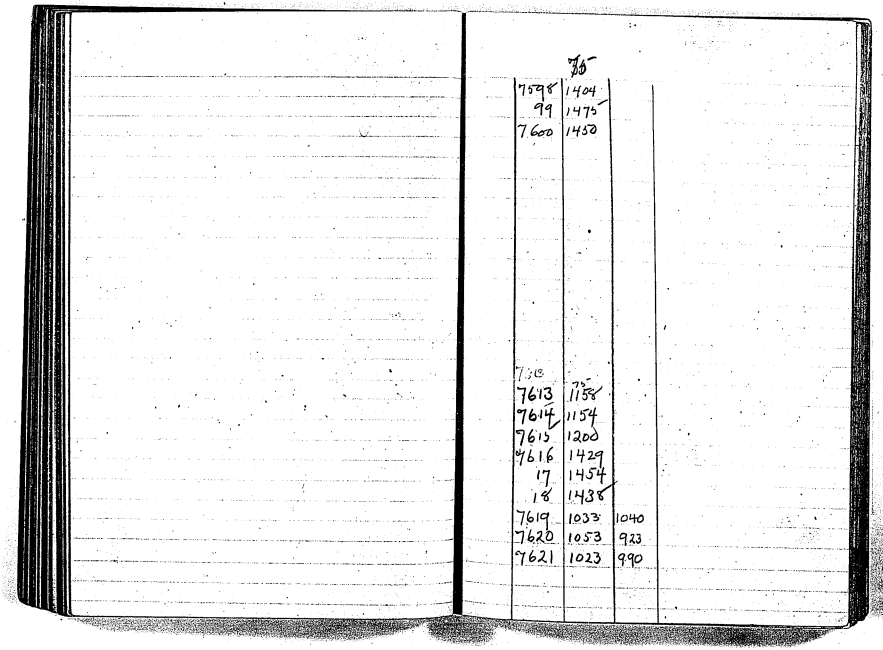

100
7550 1060 990
7551 1050 1010
7552 1087 1040
Co
7571 957 833
7572 953 800
7573 993 887
Co

| | | | | |
|---|---|---|---|---|
| Dup 7571 | | | | |
| 21% NOH 2 gms LiOH. Enclosed — | 7574 | 1153 | 1193 | |
| | 7575 | 1153 | 1187 | |
| | 7576 | 1127 | 1093 | |
| 21 Hale 005 1½ 3½ · 7f 24 Yoo Big 0 21% KOH, 1 gm Tantalum 5.83 | 7577 | | | |
| | 7578 | | | |
| | 7579 | | | |
| 21 Hale 3½ gene flake ODJ block 700 g cortex glucose not soaked out 21% KOH. | 7580 | 840 | 820 | |
| | 7581 | 833 | 813 | Co |
| | 7582 | 837 | 810 | |
| Dup 7580 — 21% KOH, 2 gms LiOH. | 7583 | | 807 | |
| | 7584 | | 800 | Co |
| | 7585 | | 800 | |
| Rep tuber 3½ gen ox flake - Block ox KOH, cortex Hypo on Vacuum Dry 21% KOH | 7586 | 317 | Co | |
| | 7587 | 323 | | |
| | 7588 | | | |
| Dup 7580 except glucose not soaked out 21% KOH | 7589 | 837 | 810 | |
| | 7590 | 830 | 800 | Co |
| | 7591 | 833 | 797 | |
| Dup 7589 21% KOH 2 gms LiOH. | 7592 | 580 | 750 | |
| | 7593 | 580 | 747 | Co |
| | 7594 | 580 | 750 | |
| 21 Hale 005 1¼ 3½ Rep on best tuber area Long Cortex 7.83 10 Grams flake ODJ block 16 flake 24 g 21% KOH 7.83 | 7595 | 1454 | 1204 | |
| | 7596 | 1483 | 1333 | |
| | 7597 | 1421 | 1226 | |


7574 1133 1000
7575 1100 1000
7576 1007 890
Co
70
7595 1088
96 1142
97 1013



| | | | | |
|---|---|---|---|---|
| Dup 7595 Longtube- | | | 25- | |
| 21% KOH 2 grm Li Ott — | 7598 | 1417 | 1479 | |
| | 7599 | 1496 | 1538 | |
| moisture-free gt 7.76 | 7600 | 1471 | 1496 | |
| 21 Hal 005 1½ 3½ 7 ft | 7601 | 1153 | 1070 | Co |
| gemk oxide 2 Leaks | 7602 | 1133 | 1033 | |
| 758 grm Bi Oxide into 3rd tube at | 7603 | 1153 | 1047 | |
| 170 ft Hg Dichloride dried-cooled | | | | |
| KOH - 24 g 21% KOH | | | | |
| Dup 7601 | 7604 | 1080 | 1077 | Co |
| 21% KOH. 2 grm Li Ott. | 7605 | 1060 | 1067 | |
| | 7606 | 1083 | 1097 | |
| 21 Hal 005 1½ 3½ 7.4 ft | 7607 | 1037 | 987 | Co |
| 24 708.9 grm oxide) — Co | 7608 | 1037 | 990 | |
| Wol sulfate Thorium Nitrate not | 7609 | 1037 | 970 | |
| 21% KOH | | | | |
| Dup 7607 | 7610 | 940 | 1023 | Co |
| 21% KOH - 2 grm Li Ott - | 7611 | 933 | 1023 | |
| | 7612 | 933 | 1057 | |
| 21 Hal 005 Regen Grown) T: .010 | 7613 | 1500 | 1392 | |
| Iron gauze Plate loops 2 Leak | 7614 | 1554 | 1383 | |
| 24 708.9 grm | 7615 | 1538 | 1375 | |
| 7 ft 24 g 21% KOH. 8.26 | | | | |
| Dup 7613 | 7616 | 1513 | 1579 | |
| 21% KOH. 2 grm Li Ott - | 7617 | 1483 | 1538 | |
| 8.30 | 7618 | 1487 | 1579 | |
| 21 H Co 005 1½ 3½ 7 ft Leaks | 7619 | 1040 | 997 | |
| 708.9 grm oxide in One | 7620 | 1027 | 1040 | |
| 24 Bismuth Nitrate Pentahyd | | | | |
| washed quick dried-cooled | | | | |
| KOH - 21% KOH 6.38 | 7621 | 1007 | 1017 | |



| | | | |
|---|---|---|---|
| 7598 | 1404 | | |
| 99 | 1475 | | |
| 7600 | 1450 | | |
| | | | |
| | | | |
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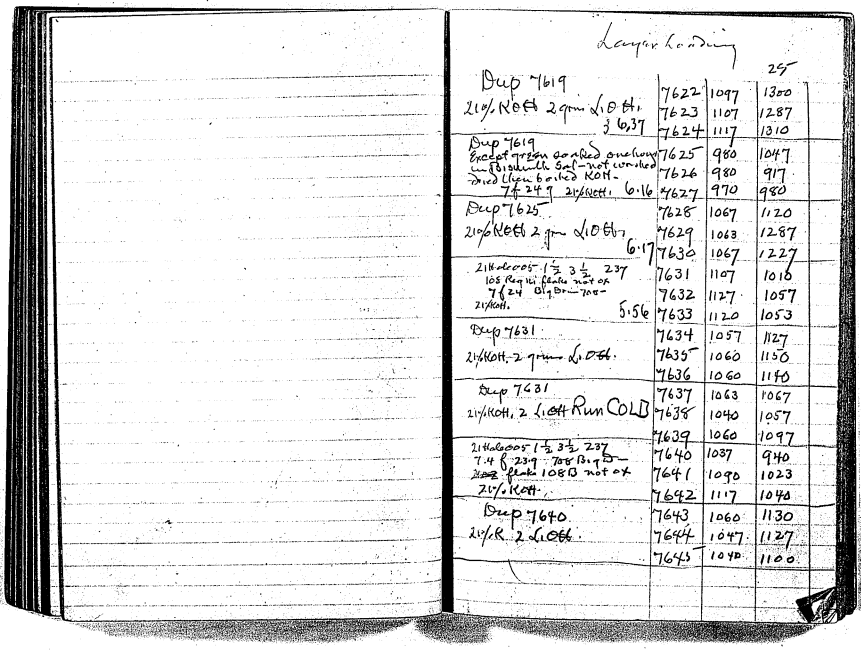
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 7613 | 1158 | | |
| 7614 | 1154 | | |
| 7615 | 1200 | | |
| 7616 | 1429 | | |
| 17 | 1454 | | |
| 18 | 1438 | | |
| 7619 | 1033 | 1040 | |
| 7620 | 1053 | 923 | |
| 7621 | 1023 | 990 | |



Lawyer Landing

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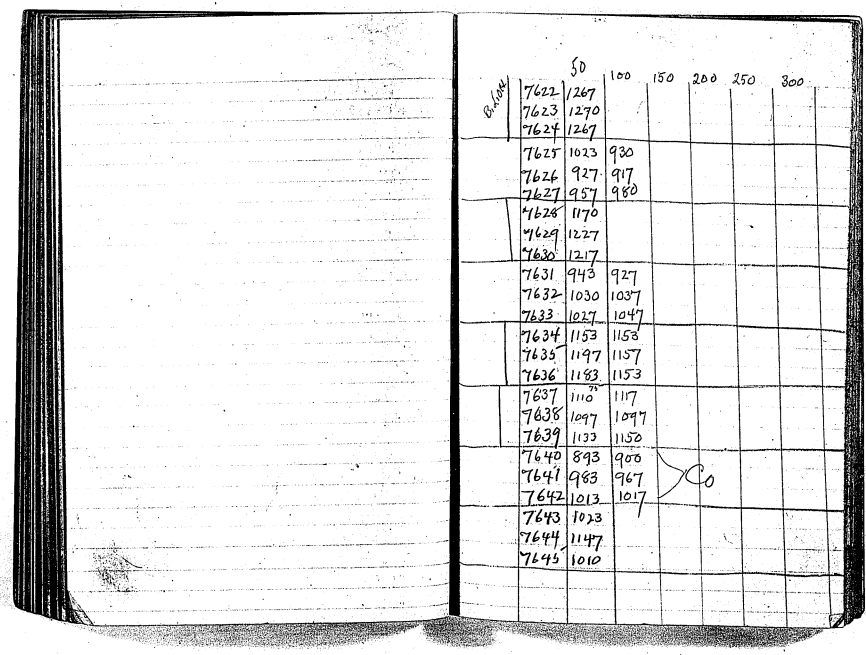
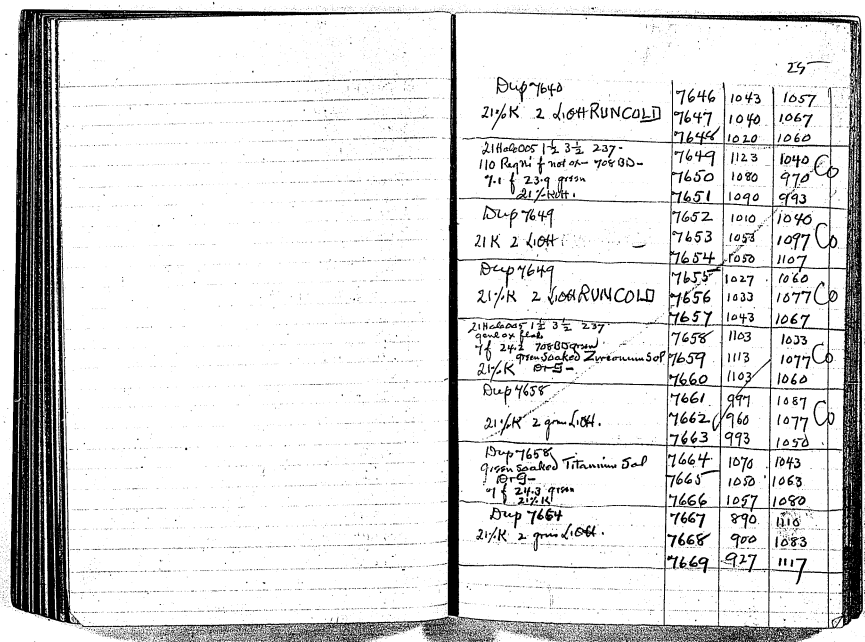
| | | | |
|---|---|---|---|
| Dup 7619 | 7622 | 1097 | 1300 |
| 21% KOH 2 gm Lot H. | 7623 | 1107 | 1287 |
| 3 6,37 | 7624 | 1117 | 1310 |
| Dup 7619 | 7625 | 980 | 1047 |
| Except grain scraped on lower | 7626 | 980 | 917 |
| in Brush Ck Sat - not washed | 7627 | 970 | 980 |
| dried then boiled KOH - | | | |
| 7.24.9 21% KOH. 6.16 | | | |
| Dup 7625 | 7628 | 1067 | 1120 |
| 21% KOH 2 gm Lot H. | 7629 | 1063 | 1287 |
| 6.17 | 7630 | 1067 | 1227 |
| 21% KOH 1 1/2 3 1/2 237 | 7631 | 1107 | 1010 |
| 108 Reg Hi Banks not ox | 7632 | 1127 | 1057 |
| 7.24 Big Dr - 708 - | 7633 | 1120 | 1053 |
| 21% KOH. 5.56 | | | |
| Dup 7631 | 7634 | 1057 | 1127 |
| 21% KOH. 2 gm Lot H. | 7635 | 1060 | 1150 |
| | 7636 | 1060 | 1140 |
| Dup 7631 | 7637 | 1063 | 1067 |
| 21% KOH, 2 Lot H Run COLD | 7638 | 1040 | 1057 |
| | 7639 | 1060 | 1097 |
| 21% KOH 1 1/2 3 1/2 237 | 7640 | 1037 | 940 |
| 7.14 Big 239 - 708 Reg Dr - | 7641 | 1090 | 1023 |
| 108 Banks 1080 not ox | 7642 | 1117 | 1040 |
| 21% KOH. | | | |
| Dup 7640 | 7643 | 1060 | 1130 |
| 21% K 2 Lot H. | 7644 | 1047 | 1127 |
| | 7645 | 1040 | 1100 |



| | | 50 | 100 | 150 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|---|
| Brian | 7622 | 1267 | | | | | |
| | 7623 | 1270 | | | | | |
| | 7624 | 1267 | | | | | |
| | 7625 | 1023 | 930 | | | | |
| | 7626 | 927 | 917 | | | | |
| | 7627 | 957 | 980 | | | | |
| | 7628 | 1170 | | | | | |
| | 7629 | 1227 | | | | | |
| | 7630 | 1217 | | | | | |
| | 7631 | 943 | 927 | | | | |
| | 7632 | 1030 | 1037 | | | | |
| | 7633 | 1027 | 1047 | | | | |
| | 7634 | 1153 | 1158 | | | | |
| | 7635 | 1197 | 1157 | | | | |
| | 7636 | 1183 | 1153 | | | | |
| | 7637 | 1110 | 1117 | | | | |
| | 7638 | 1097 | 1097 | | | | |
| | 7639 | 1133 | 1150 | | | | |
| | 7640 | 893 | 900 | | | | |
| | 7641 | 983 | 967 | | | | |
| | 7642 | 1013 | 1017 | | | | |
| | 7643 | 1023 | | | | | |
| | 7644 | 1147 | | | | | |
| | 7645 | 1010 | | | | | |



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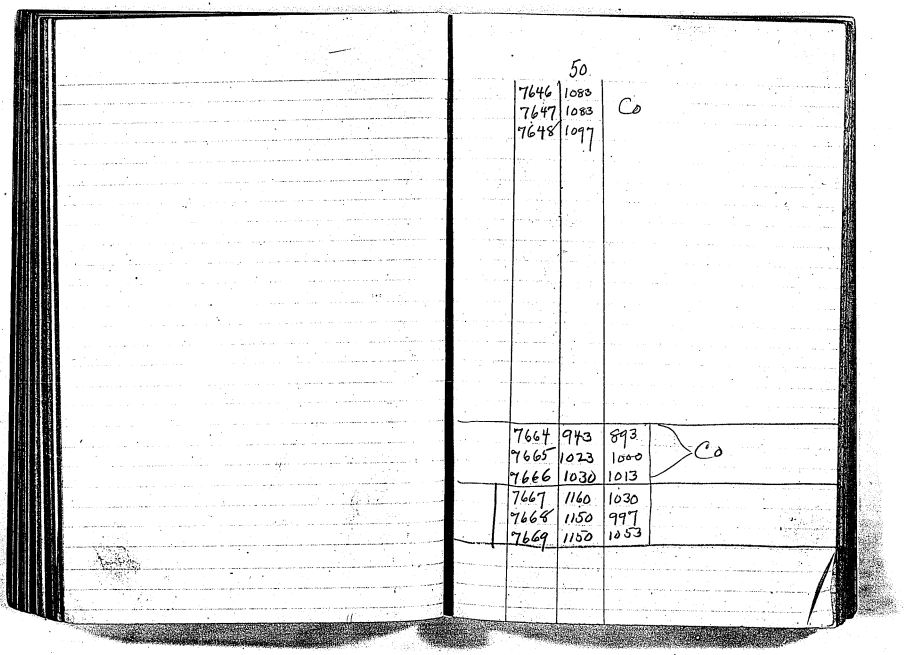
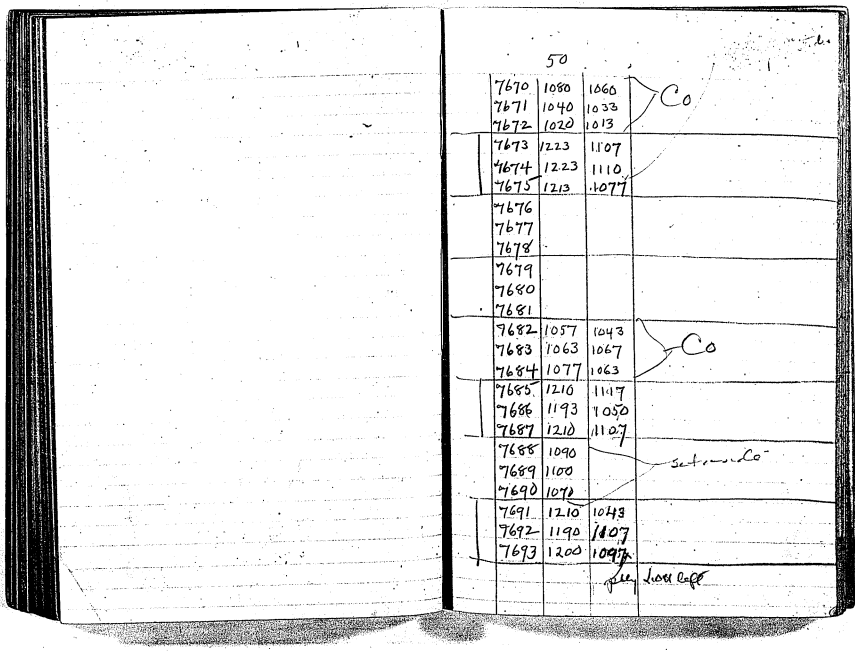
| | | | |
|---|---|---|---|
| Dup 7646 | 7646 | 1043 | 1057 |
| 21%K 2 gm LiOH RUNCOL | 7647 | 1040 | 1067 |
| | 7648 | 1020 | 1060 |
| 21 Hadaos 1 ½ 3 ½ 237- | 7649 | 1123 | 1040 Co |
| 110 Reg'n f not on 708 BD- | 7650 | 1080 | 970 |
| 7.1 f 23.9 gross | 7651 | 1090 | 993 |
| 21%H2O. | | | |
| Dup 7649 | 7652 | 1010 | 1040 |
| 21K 2 LiOH | 7653 | 1058 | 1097 Co |
| | 7654 | 1050 | 1107 |
| Dup 7649 | 7655 | 1027 | 1060 |
| 21%K 2 gm LiOH RUNCOL | 7656 | 1033 | 1077 Co |
| | 7657 | 1043 | 1067 |
| 21 Hadaos 1 ½ 3 ½ 237 | 7658 | 1103 | 1033 |
| gas ox leak | 7659 | 1113 | 1077 Co |
| f 24.2 gross 708 BD gross Zirconium Sol | 7660 | 1103 | 1060 |
| 21%K 8-5- | | | |
| Dup 7658 | 7661 | 997 | 1087 |
| 21%K 2 gm LiOH. | 7662 | 960 | 1077 Co |
| | 7663 | 993 | 1058 |
| Dup 7658 | 7664 | 1070 | 1043 |
| gross soaked Titanium Sol | 7665 | 1050 | 1063 |
| 10-9- | 7666 | 1057 | 1080 |
| f 24.3 gross 21%H2O | | | |
| Dup 7664 | 7667 | 890 | 1110 |
| 21%K 2 gm LiOH. | 7668 | 900 | 1083 |
| | 7669 | 927 | 1117 |


50
7646 1083
7647 1083 Co
7648 1097
7664 943 893
7665 1023 1000 Co
7666 1030 1013
7667 1160 1030
7668 1150 997
7669 1150 1053

| | | | |
|---|---|---|---|
| Dup 7668 Enzyme soaked out kept NH4+ NH4 soy – no KOH kept – 21% K 7624 7 – | 7670 | 1140 | 1090 |
| | 7671 | 1157 | 1100 |
| | 7672 | 1140 | 1083 |
| Dup 7670 21% K 2 gm Lot. | 7673 | 1073 | 1190 |
| | 7674 | 1073 | 1197 |
| | 7675 | 1070 | 1197 |
| Dup 7668 Green soaked Nitrate Dialysimum Brined-Boiled NaOH – 21% K | 7676 | 1130 | 1083 |
| | 7677 | 1137 | 1077 |
| | 7678 | 1130 | 1080 |
| Dup 7676 21% K 2 gm Lot – | 7679 | 910 | 1043 |
| | 7680 | 870 | 1020 |
| | 7681 | 910 | 1037 |
| Dup 7668 green soaked in closing NaOH Neutralized slightly + Nickeloy Dried then boiled NaOH 21% K | 7682 | 1113 | 1087 |
| | 7683 | 1117 | 1107 |
| | 7684 | 1117 | 1103 |
| Dup 7682 21% K 2 gm Lot. | 7685 | 1023 | 1180 |
| | 7686 | 1003 | 1160 |
| | 7687 | 1000 | 1163 |
| Dup 7668 Green soaked Sulfate Silver then in NH4 – Dried Boiled KOH 21% K | 7688 | 1143 | 1110 |
| | 7689 | 1157 | 1130 |
| | 7690 | 1143 | 1110 |
| Dup 7688 21% K 2 gm Lot. | 7691 | 980 | 1187 |
| | 7692 | 957 | 1170 |
| | 7693 | 983 | 1153 |



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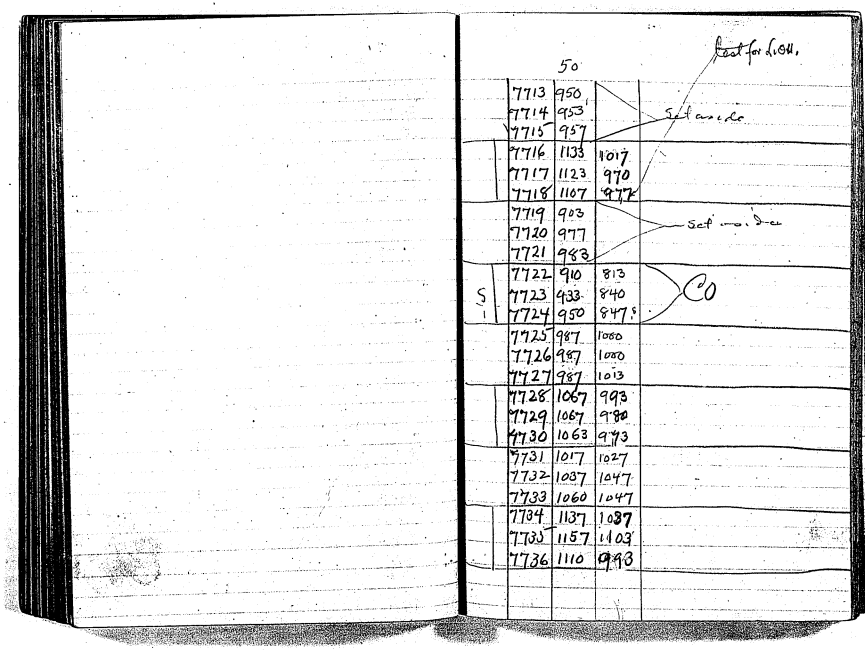
| | | | |
|---|---|---|---|
| 7670 | 1080 | 1060 | Co |
| 7671 | 1040 | 1033 | |
| 7672 | 1020 | 1013 | |
| 7673 | 1223 | 1107 | |
| 7674 | 1223 | 1110 | |
| 7675 | 1213 | 1077 | |
| 7676 | | | |
| 7677 | | | |
| 7678 | | | |
| 7679 | | | |
| 7680 | | | |
| 7681 | | | |
| 7682 | 1057 | 1043 | Co |
| 7683 | 1063 | 1067 | |
| 7684 | 1077 | 1063 | |
| 7685 | 1210 | 1147 | |
| 7686 | 1193 | 1050 | |
| 7687 | 1210 | 1107 | |
| 7688 | 1090 | | set ... Co |
| 7689 | 1100 | | |
| 7690 | 1070 | | |
| 7691 | 1210 | 1043 | |
| 7692 | 1190 | 1107 | |
| 7693 | 1200 | 1097 | |
| | | | Lost Coffee |

7701
913mm Ihrs at rate of 344 Melanphore per gram green

| | | | | |
|---|---|---|---|---|
| | | | 5 Pm | 25 |
| 21 Hole 005 1½ 7 ox gall & Reg gut mix pi 24 – 1 imp hot down by hand | 7694 | 643 | 587 | Co |
| 2.82 | 7695 | 657 | 638 | |
| | 7696 | 660 | 623 | |
| Dup 7694 38% KOH — | 7697 | 687 | | Co |
| | 7698 | 697 | | |
| 2.86 | 7699 | 600 | | |
| Dup 7694 27% KOH 2 gms 1.0 cc | 7700 | 770 | | Co |
| | 7701 | 913 | | |
| 2.65 | 7702 | 833 | | |
| 21 Hole 005 1½ 3½ 7 f 23.0 – green tinted vesicles with chitin – aquarium – small gran recip – with KOH. | 7703 | 690 | 760 | Co |
| | 7704 | 633 | 733 | |
| 21% K – | 7705 | 657 | 733 | |
| Dup 7703 21% K 2 gms 1.0 cc | 7706 | 523 | 1013 | Co |
| | 7707 | 567 | 1040 | |
| | 7708 | 580 | 1057 | |
| 21 Hole 1½ 3½ 7 flasks Ni Chloride in Hypo + Sodium Hydrogen | 7709 | 1083. | | Co |
| 5.79 | | | | |
| Pooled Reg gut tie mix weight lot down by hand | 7710 | 00 | | Co |
| 3.00 | | | | |
| Dup 7710. 33% KOH. 3.00 | 7711 | 00 | | Co |
| | 7712 | 00 | | Co |

| | | | |
|---|---|---|---|
| 21 Hook 1½ 3½ 7.3 f 24½ 708 BA picked out flakes that remained from grain | 7713 | 1110 | 1003 |
| | 7714 | 1103 | 1020 |
| 21/K 5.78 | 7715 | 1097 | 1020 |
| Dup 7713 | 7716 | 967 | 1050 |
| 21/K 2 grn 1.00 | 7717 | 953 | 1050 |
| | 7718 | 970 | 1067 |
| 21 Hook 1½ 3½ flake ½ thick oxidized trumpet 708 BA | 7719 | 1200 | 1030 |
| | 7720 | 1217 | 1053 |
| 21/K 6.11 | 7721 | 1217 | 1070 |
| Dup 7719 | 7722 | 1127 | 1043 |
| 21/K 2 grn 1.00 | 7723 | 1133 | 1067 |
| | 7724 | 1120 | 1023 |
| Dup 7719 flake two mm thick oxidized | 7725 | 1033 | 1020 |
| | 7726 | 1037 | 1017 |
| 21/K 5.41 | 7727 | 1027 | 1013 |
| Dup 7720 | 7728 | 913 | 1033 |
| 21/K 2 grn 1.00 | 7729 | 927 | 1050 |
| | 7730 | 930 | 1050 |
| 21 Hook 1½ 2 lbs cut 12 mtg grn 708 thin 20 mesh 4 flake general oxidized | 7731 | 1100 | |
| | 7732 | 1103 | |
| 21/0 R 5.66 | 7733 | 1103 | |
| Dup 7731 | 7734 | 1050 | 1133 |
| 21/K 2 grn 1.00 | 7735 | 1033 | 1117 |
| | 7736 | 1040 | 1113 |

grn broke of flake BA tool mark



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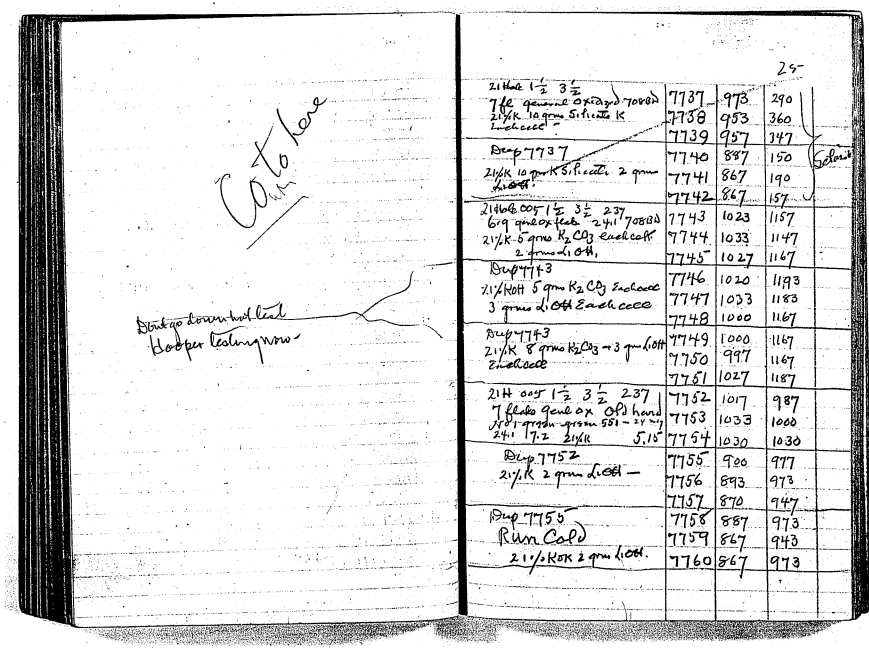
Last for L.O.H.

| | | | | |
|---|---|---|---|---|
| | 7713 | 950 | | |
| | 7714 | 953 | | Set as etc |
| | 7715 | 957 | | |
| | 7716 | 1133 | 1017 | |
| | 7717 | 1123 | 970 | |
| | 7718 | 1107 | 977 | |
| | 7719 | 903 | | |
| | 7720 | 977 | | Set no. 5 etc |
| | 7721 | 983 | | |
| | 7722 | 910 | 813 | |
| S | 7723 | 933 | 840 | CO |
| | 7724 | 950 | 847.5 | |
| | 7725 | 987 | 1060 | |
| | 7726 | 987 | 1080 | |
| | 7727 | 987 | 1013 | |
| | 7728 | 1067 | 993 | |
| | 7729 | 1067 | 980 | |
| | 7730 | 1063 | 973 | |
| | 7731 | 1017 | 1027 | |
| | 7732 | 1037 | 1047 | |
| | 7733 | 1060 | 1047 | |
| | 7734 | 1137 | 1037 | |
| | 7735 | 1157 | 1103 | |
| | 7736 | 1110 | 993 | |



Catalase

Start go down hot leak
Hooper testing now

25

| | | | |
|---|---|---|---|
| 21 Hot 1-½ 3½ | 7737 | 973 | 290 |
| 7fe gamma oxidized 70 BD | | | |
| 21%K 10 gm Silicate K | 7738 | 953 | 360 |
| Each cccc | 7739 | 957 | 347 |
| Dup 7737 | 7740 | 887 | 150 |
| 21%K 10 gm K Silicate 2 gm LiOH | 7741 | 867 | 190 |
| | 7742 | 867 | 157 |
| 21 Hot 005 1½ 3½ 237 | 7743 | 1023 | 1157 |
| 6.9 gm ox Fe 24.1 70 BD | | | |
| 21%K 5 gm $K_2CO_3$ Each cccc | 7744 | 1033 | 1147 |
| 2 gm LiOH, | 7745 | 1027 | 1167 |
| Dup 7743 | 7746 | 1020 | 1193 |
| 21%KOH 5 gm $K_2CO_3$ Each cccc | 7747 | 1033 | 1183 |
| 3 gm LiOH Each cccc | 7748 | 1000 | 1167 |
| Dup 7743 | 7749 | 1000 | 1167 |
| 21%K 8 gm $K_2CO_3$ = 3 gm LiOH | 7750 | 997 | 1167 |
| Each cccc | 7751 | 1027 | 1187 |
| 21H 005 1½ 3½ 237 | 7752 | 1017 | 987 |
| 7 Flasks Gen ox Old hand | 7753 | 1033 | 1000 |
| 24.1 7.2 21%K 5.15 | 7754 | 1030 | 1030 |
| Dup 7752 | 7755 | 920 | 977 |
| 21%K 2 gm LiOH — | 7756 | 893 | 973 |
| | 7757 | 870 | 947 |
| Dup 7755 | 7758 | 887 | 973 |
| Run Cold | 7759 | 867 | 943 |
| 21%KOH 2 gm LiOH. | 7760 | 867 | 973 |

Colors

§ LiOH wrong figures

| | 50 | 100 |
|---|---|---|
| 7737 | | |
| 7738 | | |
| 7739 | | |
| 7740 | | |
| 7741 | | |
| 7742 | | |
| 7743 | 1140 | 1090 |
| 7744 | 1123 | 1023 |
| 7745 | 1150 | 1093 |
| 7746 | 1220 | 1640 |
| 7747 | 1213 | 1070 |
| 7748 | 1210 | 1040 |
| 7749 | 1190 | 1103 |
| 7750 | 1160 | 1080 |
| 7751 | 1157 | 1063 |
| 7752 | 960 | 957 |
| 7753 | 940 | 930 |
| 7754 | 990 | 957 |
| 7755 | 967 | 867 |
| 7756 | 953 | 840 |
| 7757 | 903 | 823 |
| 7758 | 983 | |
| 7759 | 928 | |
| 7760 | 977 | |

21 Hob 1½ 005 3½ 237
4.2 flasks ½ thick oxygen transparent
Rad 6h 4 — Same as usual on 7719
RQ 707 ½ w filtering thin and clear
23.9 gms 21% KOH 6.32

Dup 7761
Except old NO1 Hand grown
24.1 gms 4.2 flasks ½ thick
21% KOH. 5.20

21 Hob 005 1½ 3½ 237 RQ 707 ½ w
4 flasks same as on last flask
Ordinary cooled vessel —
21% KOH. 5.57

Dup 7767
21K 2 gms LiOH —

Dup 7767
Bad run 708 BP warmed
½ hour cooled —
7.4 f 24.2 9 5.68
5a Rad

Dup 7773
21 K 2 gms LiOH.

Dup 7773
Warmed + cooled 708 BP
7.4 f 23.7 gr
5.73

21 Hob 005 1½ 3½ 237
XXX RQ one week before
7.4 f 24.3 grms
5a Rad. 6.31

25

| | | |
|---|---|---|
| 7761 | 1230 | 1173 |
| 7762 | 1230 | 1200 |
| 7763 | | |
| 7764 | 993 | 800 |
| 7765 | 990 | 680 |
| 7766 | | |
| 7767 | 1110 | 1117 |
| 7768 | 1093 | 1103 |
| 7769 | 1093 | 1103 |
| 7770 | 1030 | 1130 |
| 7771 | 1007 | 1113 |
| 7772 | 1027 | 1110 |
| 7773 | 1110 | 1053 |
| 7774 | 1110 | 1050 |
| 7775 | 1103 | 1050 |
| 7776 | 980 | 1130 |
| 7777 | 977 | 1160 |
| 7778 | 967 | 1153 |
| 7779 | 1123 | 1067 |
| 7780 | 1117 | 1070 |
| 7781 | 1123 | 1040 |
| 7782 | 1043 | 1030 |
| 7783 | 1043 | 1047 |
| 7784 | 1077 | 1080 |

| | | | |
|---|---|---|---|
| | 7761 | 1083 | 1000 |
| | 7762 | 1117 | 1017 |
| | 7764 | | |
| | 7765 | | |
| | 7767 | 1087 | 1080 |
| 707 | 7768 | 1087 | 1097 |
| | 7769 | 1073 | 1067 |
| | 7770 | 1147 | |
| | 7771 | 1157 | |
| | 7772 | 1170 | |
| | 7773 | 1003 | 1000 |
| | 7774 | 1020 | 1033 |
| | 7775 | 1013 | 1013 |
| | 7776 | 1142 | |
| | 7777 | 1170 | |
| | 7778 | 1157 | |
| | 7779 | | |
| | 7780 | | |
| | 7781 | | |
| | 7782 | 1078 | |
| | 7783 | 1030 | |
| | 7784 | 1078 | |

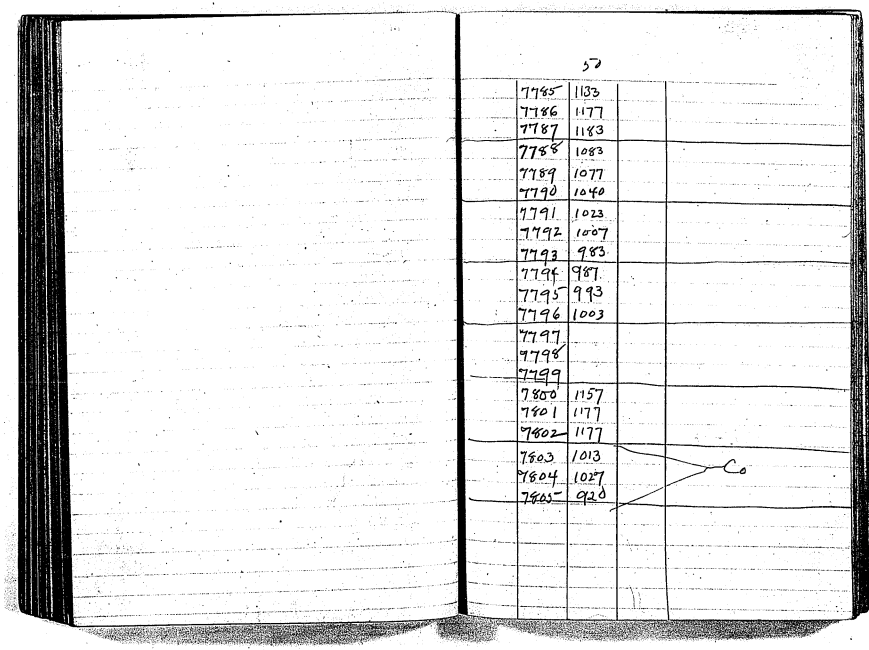
7797-8-9 after 25 Hot
& 7806-7-8 was charged & deadshort ckd
14 times on hot test.
gave final—

| | | |
|---|---|---|
| 7797— | 980 | |
| 98 | 1090 | |
| 99 | 1017 | |
| 7806 | 1120 | |
| 7 | 1123 | |
| 8 | 1127 | |

Showing no change

| | | 24 | 25 | |
|---|---|---|---|---|
| 7797 A | modern | 1177 | 1093 | 1107 |
| 7798 A | old | 1170 | 1100 | 1040 |
| 7799 A | modern | 1170 | 1093 | 1030 |
| 7800 A | " | 1083 | 1147 | 1177 |
| 7801 A | | 1090 | 1150 | 1153 |
| 7802 A | | 1100 | 1147 | 1130 |
| 7809 A | | 1143 | | 1017 |
| 7810 A | | 1140 | | 1083 |
| 7811 A | | 1117 | | 1057 |

| | | | 25 |
|---|---|---|---|
| Dup 7782 | | | |
| 21/K 2 gm 1.06 ℓ. | 7785 | 1043 | 1113 |
| | 7786 | 1077 | 1133 |
| | 7787 | 1077 | 1143 |
| Dup 7782 Ra xxx gm | | | |
| But green heated + then | 7788 | 1080 | 1090 |
| coated 7ℓ 23.8 gm ox ℓ | 7789 | 1083 | 1080 |
| 705 — 6.20 | 7790 | 1060 | 1040 |
| 21/K | | | |
| Dup 7788 | | | |
| But 10ml ℓ 23.8 Ra xxx | 7791 | 1017 | 1010 |
| flask gm ox. | 7792 | 1057 | 1000 |
| 21/KOH. 5.94 | 7793 | 983 | 993 |
| Dup 7791 | | | |
| 10 ℓ gm ox + but Ra xxx ex | 7794 | 997 | 960 |
| not heated | 7795 | 993 | 970 |
| 21/KOH. 6.03 | 7796 | 993 | 977 |
| 21 Hg 0.05 1/2 3 7/8 237 | 7797 | 1163 | 1063 |
| 7.3 ℓ gm ox + 24.3 grm 6 oxides | 7798 | 1193 | 1150 |
| in water 20 minutes no KOH | 7799 | 1150 | 1050 |
| Dup 7797 | 7800 | 1103 | 1157 |
| 21/K 2 gm 1.08 ℓ. | 7801 | 1087 | 1207 |
| modern new no ether | 7802 | 1160 | 1213 |
| Dup 7797 | | | |
| green fused chloride ammonia | 7803 | 1063 | 1033 |
| 1 hr KOH used | 7804 | 1083 | 1050 |
| 7ℓ 23.9-705 ℓ gm ox ℓ | 7805 | 977 | 930 |
| 6.29 | 7806 | 1073 | 1147 |
| Dup 7803 | 7807 | 1047 | 1130 |
| 21/K 2 gm 6.05ℓ. | 7808 | 1057 | 1143 |



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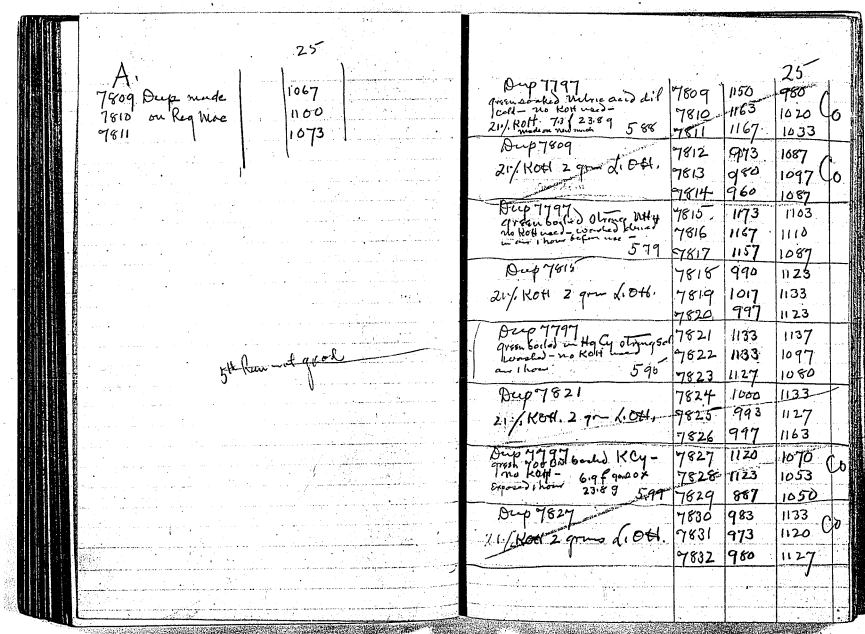
| | |
|---|---|
| 7785 | 1133 |
| 7786 | 1177 |
| 7787 | 1183 |
| 7788 | 1083 |
| 7789 | 1077 |
| 7790 | 1040 |
| 7791 | 1023 |
| 7792 | 1007 |
| 7793 | 983 |
| 7794 | 987 |
| 7795 | 993 |
| 7796 | 1003 |
| 7797 | |
| 7798 | |
| 7799 | |
| 7800 | 1157 |
| 7801 | 1177 |
| 7802 | 1177 |
| 7803 | 1013 |
| 7804 | 1027 |
| 7805 | 920 |

Co

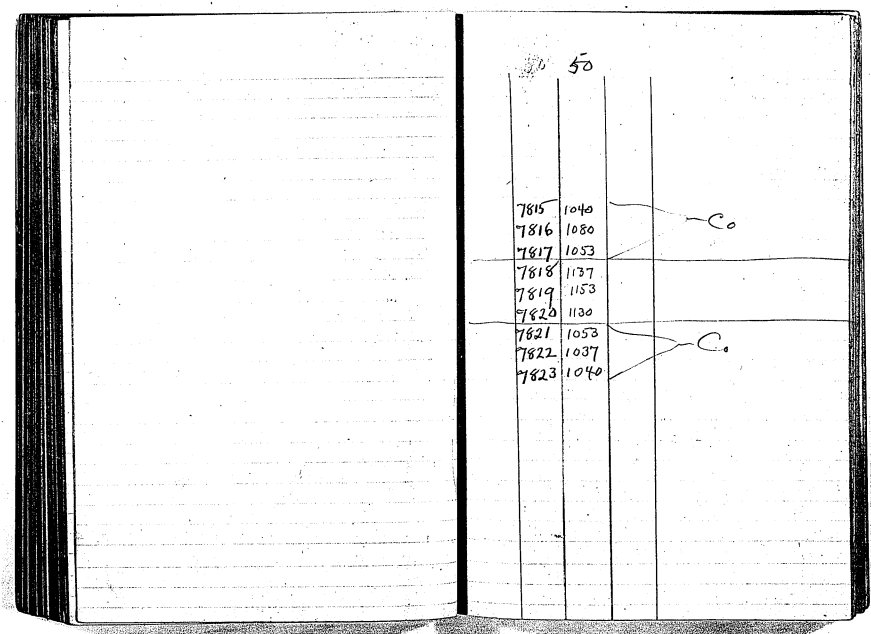


A.

25

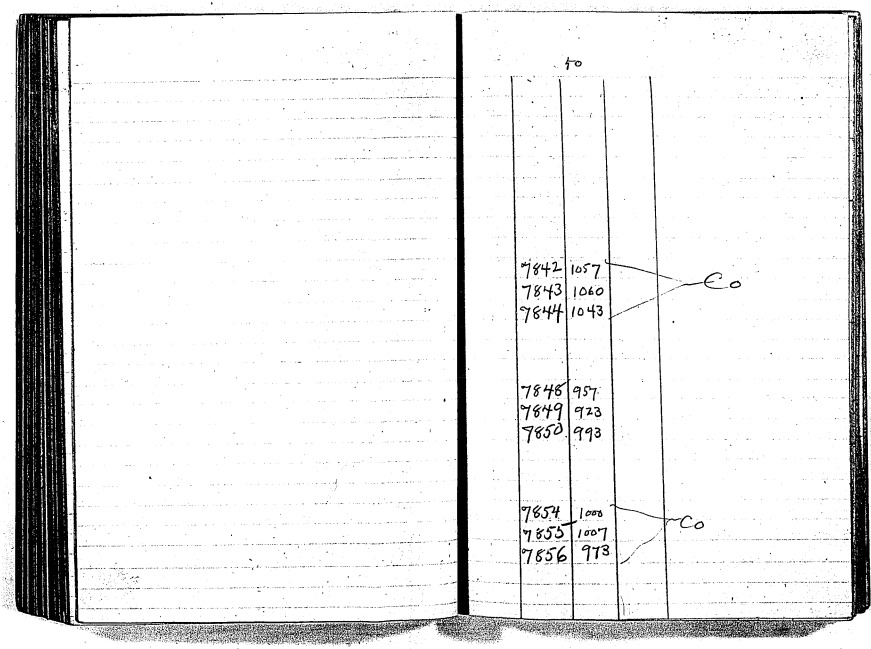
| | | |
|---|---|---|
| 7809 Dup made | | 1067 |
| 7810 on Reg Mac | | 1100 |
| 7811 | | 1073 |

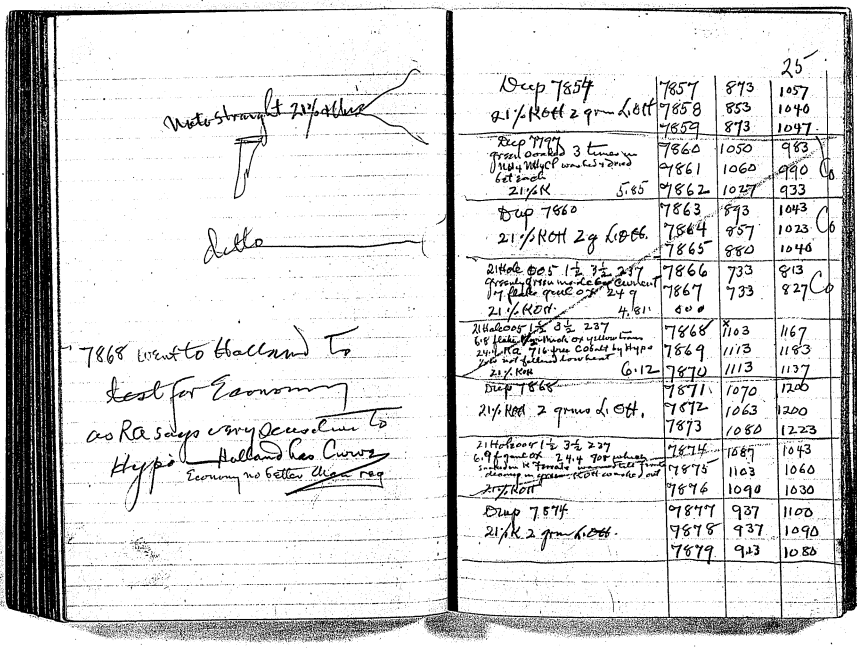
| | | | |
|---|---|---|---|
| | | | 25 |
| Dup 7797 | 7809 | 1150 | 980 |
| green soaked Mahog and dil | 7810 | 1163 | 1020 Co |
| conc. no KOH used – | 7811 | 1167 | 1033 |
| 21% KOH. 75 ∫ 23.8 g 588 | | | |
| Dup 7809 | 7812 | 1173 | 1087 |
| 21% KOH 2 grms dil. OH. | 7813 | 980 | 1097 Co |
| | 7814 | 960 | 1087 |
| Dup 7797 | 7815 | 1173 | 1103 |
| green boiled Mahog with | 7816 | 1167 | 1110 |
| no KOH used – converted kernel | 7817 | 1157 | 1087 |
| in one hour before use – 579 | | | |
| Dup 7815 | 7818 | 990 | 1123 |
| 21% KOH 2 grms dil. OH. | 7819 | 1017 | 1133 |
| | 7820 | 997 | 1123 |
| Dup 7797 | 7821 | 1133 | 1137 |
| green boiled in Hg Cy obtained | 7822 | 1133 | 1097 |
| kernel – no KOH used | 7823 | 1127 | 1080 |
| in 1 hour 590 | | | |
| Dup 7821 | 7824 | 1000 | 1133 |
| 21% KOH. 2 grms dil. OH. | 7825 | 993 | 1127 |
| | 7826 | 997 | 1163 |
| Dup 7797 (boiled) KCy – | 7827 | 1120 | 1070 Co |
| green Mahog – no KOH – | 7828 | 1123 | 1053 |
| 6.9 grms ox 23.8 g 599 | 7829 | 887 | 1050 |
| Dup 7827 | 7830 | 983 | 1133 |
| 21% KOH 2 grms dil. OH. | 7831 | 973 | 1120 Co |
| | 7832 | 980 | 1127 |


50
7815 1040
7816 1080
7817 1053
7818 1137
7819 1153
7820 1130
7821 1053
7822 1037
7823 1040
C₀
C₀

Note Capacity
Drop this pt Cp takes out organic –

| | | | | |
|---|---|---|---|---|
| Drop 7797 | 7833 | 1127 | 1083 | |
| green wetted in Citrate K | 7834 | 1140 | 1057 | Co |
| Washed out no KOH | 7835 | 1140 | 1103 | |
| 7834 – 21% KOH. 5.90 | | | | |
| Drop 7833 | 7836 | 1000 | 1130 | |
| 21% K 2 qr Li OH, | 7837 | 953 | 1083 | Co |
| | 7838 | 993 | 1127 | |
| 21 Hole | 7839 | | | |
| 7f gen ox 24 anhydrous | 7840 | | | |
| Nitrate 21% KOH. | 7841 | | | |
| 6 qrs Li OH – | | | | |
| Drop 7787 Boiled Bi chlor | 7842 | 1187 | 1147 | |
| green not KOH | 7843 | 1180 | 1147 | |
| Strong – in der one hour | 7844 | 1183 | 1133 | |
| 21% 5.96 | | | | |
| Drop 7842 | 7845 | 1007 | 1133 | |
| 21% K 2 qr Li OH | 7846 | 1020 | 1133 | |
| | 7847 | 1040 | 1167 | |
| Drop 7787 | 7848 | 1090 | 1023 | |
| green soaked strong 1hr | 7849 | 1097 | 1013 | |
| Cand 1hr Not washed out | 7850 | 1113 | 1043 | |
| 21% KOH 5.60 | | | | |
| Drop 7848 | 7851 | 930 | 1083 | |
| 21% K 2 qr Li OH | 7852 | 927 | 1083 | |
| | 7853 | 913 | 1080 | |
| Drop 7797 | 7854 | 1047 | 1023 | |
| green soaked strong 1hr | 7855 | 1077 | 1037 | |
| 1 hr Cf 30 min then washed out | 7856 | 1050 | 993 | |
| 21% KOH 5.75 | | | | |


40
7842 1057
7843 1060
7844 1043
Co
7846 957
7849 973
7850 993
7854 1000
7855 1007
7856 973
Co



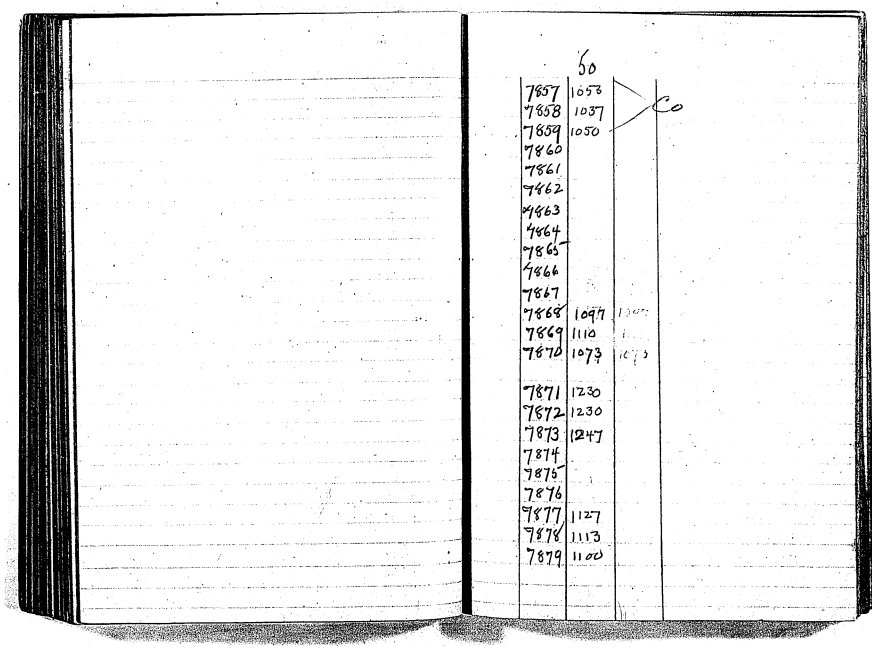
Note Straight 21% alkali

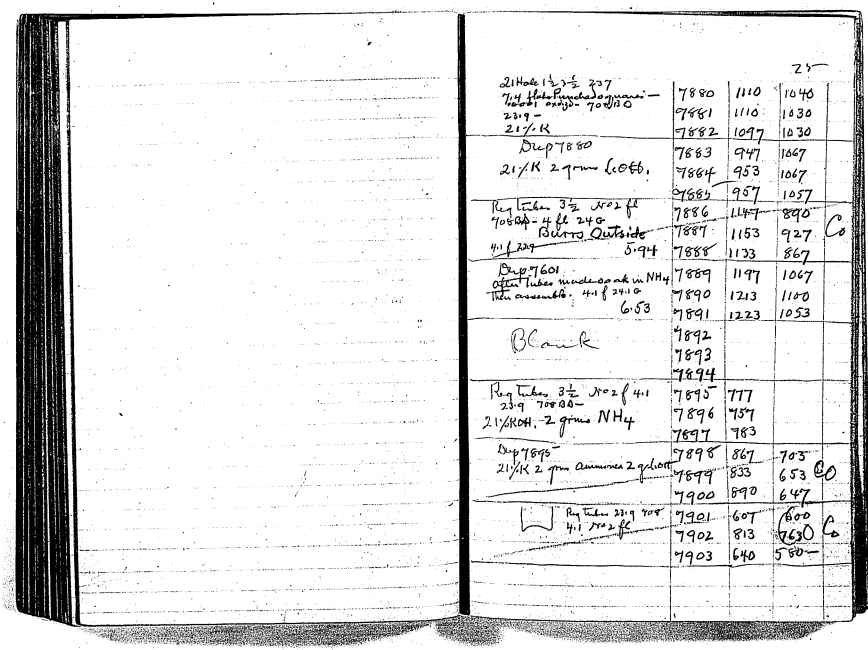
ditto

7868 Went to Holland Co
test for Economy
as RA says very generous Co
Hypo Holland Res Cows
Economy no better than reg

25

| | | | |
|---|---|---|---|
| Dcp 7857 | 7857 | 873 | 1057 |
| 8.1% KOH 2 grms 4 Oct. | 7858 | 853 | 1040 |
| | 7859 | 873 | 1047 |
| Dcp 7860 | 7860 | 1050 | 983 |
| grms combd 3 times w | 7861 | 1060 | 990 Co |
| 10% MgCl combd 2 times | | | |
| let stand | | | |
| 21% N 5.85 | 7862 | 1027 | 933 |
| Dup 7860 | 7863 | 893 | 1043 |
| 21% KOH 2g 4 Oct. | 7864 | 857 | 1023 Co |
| | 7865 | 880 | 1046 |
| 21 Holst 085 1½ 3½ 237 | 7866 | 733 | 813 |
| grms 4 grms mixed w/ equivalent | 7867 | 733 | 827 Co |
| 7 Holst grms of 24 9 | | | |
| 21% KOH 4.81 | | | |
| 21 Holstcows 1½ 3½ 237 | 7868 | X 1103 | 1167 |
| 6.8 Holst grms mixed w/ yellow corn | 7869 | 1113 | 1183 |
| 24.4 RA 7 Holstcows Calved by Hypo | | | |
| fed not selected Low Ferment | | | |
| 21% KOH 6.12 | 7870 | 1113 | 1137 |
| Dcp 7868 | 7871 | 1070 | 1200 |
| 21% KOH 2 grms 4 Oct. | 7872 | 1063 | 1200 |
| | 7873 | 1080 | 1223 |
| 21 Holstcows 1½ 3½ 237 | 7874 | 1089 | 1043 |
| 6.9 Holst grms of 24.4 RA Holstcows | 7875 | 1103 | 1060 |
| combined w/ Female grms Holst grms | | | |
| 21% KOH | 7876 | 1090 | 1030 |
| Dcp 7874 | 7877 | 937 | 1100 |
| 21% K 2 grms 4 Oct. | 7878 | 937 | 1090 |
| | 7879 | 943 | 1080 |





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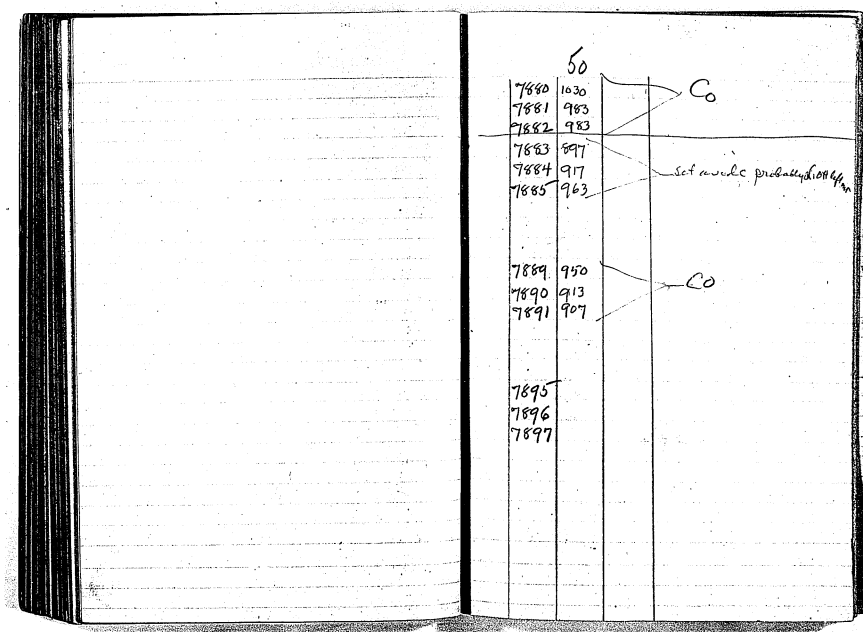
| | | | | |
|---|---|---|---|---|
| 21 Hods 1½ 2½ 237 Tu.4 Hods Pinched Square — Tubes only — 70 of 80 23.9 — 21% K | 7880 | 1110 | 1040 | |
| | 7881 | 1110 | 1030 | |
| | 7882 | 1097 | 1030 | |
| Dup 7880 21% K 2 gms Lcoh. | 7883 | 947 | 1067 | |
| | 7884 | 953 | 1067 | |
| | 7885 | 957 | 1057 | |
| Reg Tubes 3⅔ No 2 ff 70 Hods - 4 ff 240 Burro Outside 4.1 ff 224 5.94 | 7886 | 1447 | 890 | Co |
| | 7887 | 1153 | 927 | |
| | 7888 | 1133 | 867 | |
| Dup 7601 after Tubes macerated in $NH_4$ Thin assembly. 4.1 ff 224 6.53 | 7889 | 1197 | 1067 | |
| | 7890 | 1213 | 1100 | |
| | 7891 | 1223 | 1053 | |
| Blank | 7892 | | | |
| | 7893 | | | |
| | 7894 | | | |
| Reg Tubes 3⅔ No 2 ff 4.1 23.9 70 of 80 — 21% KOH. 2 grms $NH_4$ | 7895 | 777 | | |
| | 7896 | 757 | | |
| | 7897 | 783 | | |
| Dup 7895 21% K 2 gm Ammines 2 gr/com | 7898 | 867 | 703 | |
| | 7899 | 833 | 653 | Co |
| | 7900 | 890 | 647 | |
| Reg Tubes 23.9 70 of 4.1 No 2 ff | 7901 | 607 | 800 | |
| | 7902 | 813 | 763 | Co |
| | 7903 | 640 | 580 | |


50
7880 1030
7881 983
7882 983
Co
7883 897
7884 917
7885 963
Set mode probably
7889 950
7890 913
7891 907
Co
7895
7896
7897

Reversed 1 water butt in 5/.K Illum 24 Chamber to 21% Rivett

| | | | | |
|---|---|---|---|---|
| 7916A | 1157 | 1077 | 1080 | Co |
| 7917A | 1163 | 1070 | 1060 | |
| 7918A | 1160 | 1087 | 1073 | |

Dup 7901

5.96

Dup 7901
Mounted act exp unit 10/1000 -

6.07

Rep tubes No 2 fe 4.4 239 7088 finger plate to shutter ground - fan clamping screw -

Dup 7910
finger scalloping both ground ends of Carbs

Rep tubes 2 fe 4.4 — 23.9 708 Run in 4th KOT. Act. Reverse 1 water burnt to 21 KOT. Started up up 6 Cwt

Take Comp mould out of frame 4.4 No 2 fe 23.9 7088 - 21 KOT.

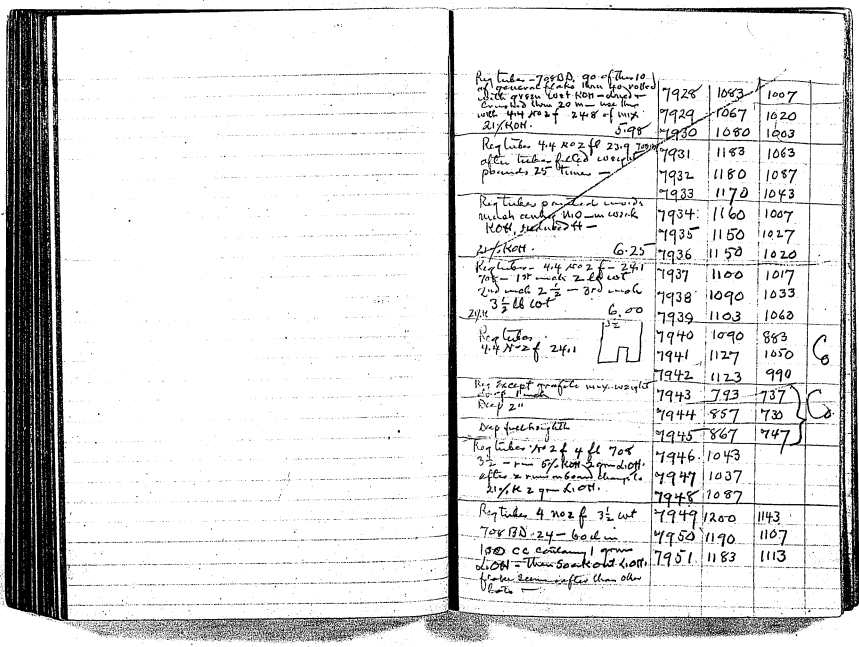
5.92

Rep tubes plated twice as thick with Nickel 4.4 No 2 fe 23.9 7088 21/K -

6.10

Rep tubes 4.4 No 2 fe 23.9 7088

| | | | | |
|---|---|---|---|---|
| 7904 | 1180 | 960 | 25 | Set Carrots |
| 7905 | 1180 | 977 | | |
| 7906 | 1197 | 983 | | |
| 7907 | 1200 | 993 | | Set Wrinkle |
| 7908 | 1193 | 920 | | |
| 7909 | 1213 | 993 | | |
| 7910 | 1197 | 1067 | | Co |
| 7911 | 1197 | 1063 | | |
| 7912 | 1183 | 1073 | | |
| 7913 | 1173 | 1060 | | Co |
| 7914 | 1187 | 1073 | | |
| 7915 | 1193 | 1083 | | |
| 7916 | 1200 | 1077 | | Co |
| 7917 | 1200 | 1063 | | |
| 7918 | 1203 | 1100 | | |
| 7919 | 1163 | 987 | | Set Carrots |
| 7920 | 1133 | 937 | | |
| 7921 | 1153 | 987 | | |
| 7922 | 1180 | 1087 | | Co |
| 7923 | 1190 | 1093 | | |
| 7924 | 1180 | 1080 | | |
| 7925 | 1137 | 1010 | | Co |
| 7926 | 1147 | 973 | | |
| 7927 | 1157 | 1010 | | |



Reg tubes – 7988 D. 90 of them 10 of general shape then top rolled in. 45 test KOH added — covered then 20 min not then with 44 x 0.2 f 248 of mix 21% KOH. 5.98

Reg tubes 44 x 0.2 ff 23.9 7988 after tubes fitted weights pbounds 25 times —

Reg tubes pushed inwards mulah comb 110 — work KOH, stubbed it — 21% KOH. 6.25

Reg tubes — 44 x 0.2 f = 24.1 70% — 1st mark 2 lb wt 2nd mark 2 1/2 — 3rd mark 3 1/2 lb wt 24.14 6.00

Reg tubes 44 N 0.2 f 24.1

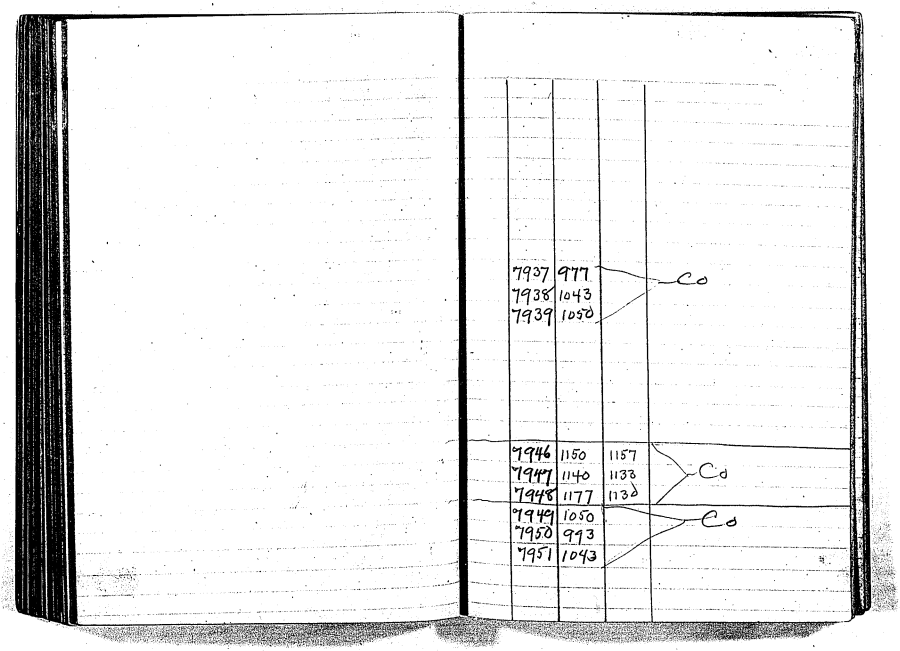
Reg except graphite may weight Drop 1" Drop 2"

Drop freehanging th

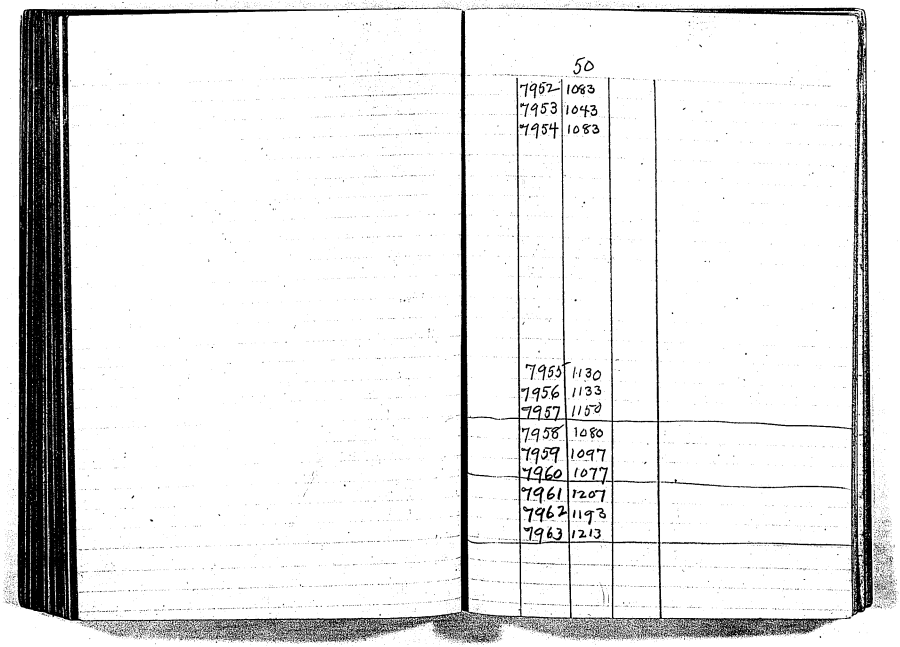
Reg tubes N 0.2 f 4 ff 70% 3 1/2 — run 6% KOH 2 gm diff. after 2 run more and then run 21% KOH 2 gm diff.

Reg tubes 4 no 2 f 3 1/2 wt 70% IPA 24 — 6 of in 100 cc containing 1 gm LiOH = then soak old KOH for 1 second after then other tests —

| | | | |
|---|---|---|---|
| 7928 | 1063 | 1007 | |
| 7929 | 1067 | 1020 | |
| 7930 | 1080 | 1003 | |
| 7931 | 1183 | 1063 | |
| 7932 | 1180 | 1087 | |
| 7933 | 1170 | 1043 | |
| 7934 | 1160 | 1007 | |
| 7935 | 1150 | 1027 | |
| 7936 | 1150 | 1020 | |
| 7937 | 1100 | 1017 | |
| 7938 | 1090 | 1033 | |
| 7939 | 1103 | 1060 | |
| 7940 | 1090 | 883 | C |
| 7941 | 1127 | 1050 | C |
| 7942 | 1123 | 990 | |
| 7943 | 793 | 737 | C |
| 7944 | 857 | 730 | C |
| 7945 | 867 | 747 | |
| 7946 | 1043 | | |
| 7947 | 1037 | | |
| 7948 | 1087 | | |
| 7949 | 1200 | 1143 | |
| 7950 | 1190 | 1107 | |
| 7951 | 1183 | 1113 | |


7937 977
7938 1043
7939 1058
Co
7946 1150 1157
7947 1140 1133
7948 1177 1132
Co
7949 1050
7950 993
7951 1043
Co

| | | | |
|---|---|---|---|
| Reg Kidney 24 – 4 No 2 ft | | | |
| Tott in $HgCl_2$ in $H_2O$ 24 hrs – | 7952 | 1140 | 1127 |
| washed free $HgCl_2$ | 7953 | 1100 | 1093 |
| 21% KOH — 6.60 | 7954 | 1100 | 1107 |
| | | | |
| 1/1x 1045 Ra from NH4 Suef. | Oil Nos | | |
| Loaded pockets by machine – | Fe | | |
| 33½ oz wt – | 55 | | |
| Mat pressed | 56 | | |
| Coulter Cal 162 | 57 | | |
| Smooth press only 100 at. | 58 | | |
| | 59 | | |
| Coulter Cal 134 | 60 | | |
| | | | |
| Corrected only 150 at. | 61 | | |
| Coulter Cal 140 – | 62 | | |
| | 63 | | |
| Exp 7952 | 7955 | 1077 | 1223 |
| 24 Off 21% 12 | 7956 | 1083 | 1230 |
| 6.38 | 7957 | 1063 | 1230 |
| | | | |
| Exp 7952 except grain | 7958 | 1110 | 1150 |
| soaked 24 hour globulin – | 7959 | 1130 | 1177 |
| alternate not $HgCl_2$ soaked see | | | |
| out the KOH — 6.55 | 4960 | 1137 | 1173 |
| | | | |
| Exp 7958 | 7961 | 1030 | 1263 |
| 21% KOH 2 grms 10 Off – | 7962 | 1027 | 1257 |
| 6.51 | 7963 | 1020 | 1253 |



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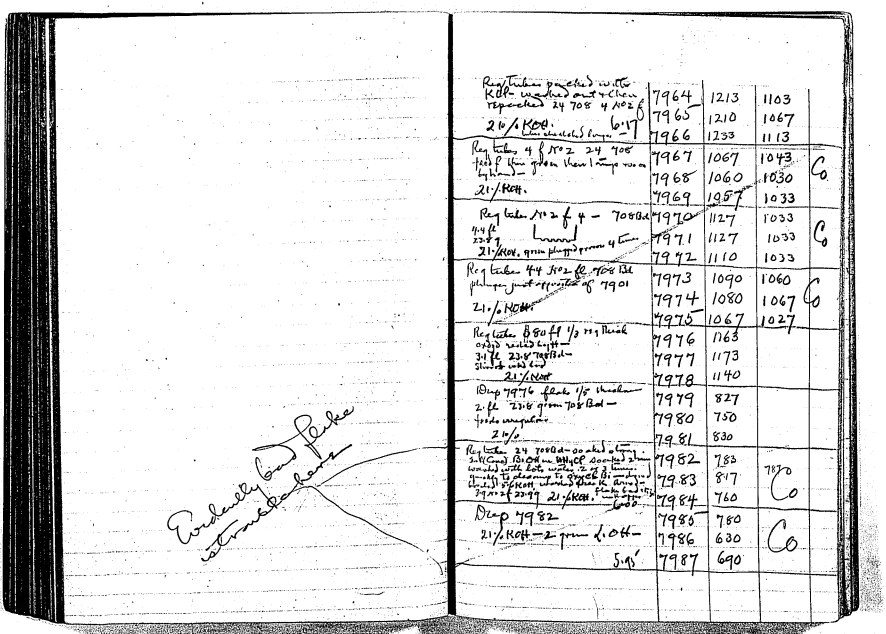
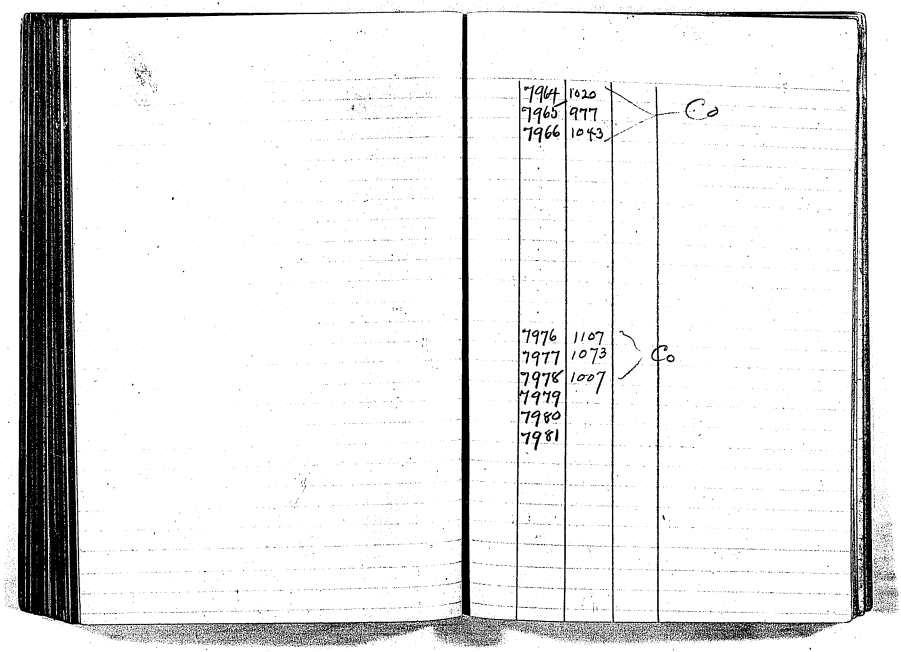
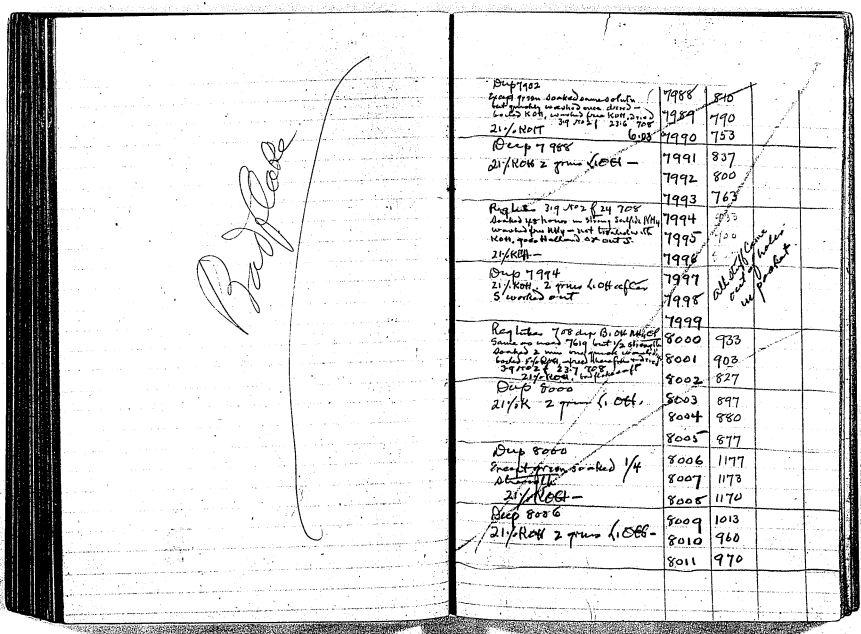
| | |
|---|---|
| 7952 | 1083 |
| 7953 | 1043 |
| 7954 | 1083 |
| 7955 | 1130 |
| 7956 | 1133 |
| 7957 | 1150 |
| 7958 | 1080 |
| 7959 | 1097 |
| 7960 | 1077 |
| 7961 | 1207 |
| 7962 | 1193 |
| 7963 | 1213 |



| | | | | |
|---|---|---|---|---|
| Reg Tube (previously with KOH (washed out) and Chem repacked 24 708 4 1/02 ft 21/KOH. 6.17 | 7964 | 1213 | 1103 | |
| | 7965 | 1210 | 1067 | |
| | 7966 | 1233 | 1113 | |
| Reg tube, 4 ft 1/02 24 708 feed ft (from yellow Chem Lamp room Lights) 21/KOH. | 7967 | 1067 | 1043 | Co |
| | 7968 | 1060 | 1030 | |
| | 7969 | 1057 | 1033 | |
| Reg tube 1/02 ft 4 — 708 Rd 4.4 ft 22.8 ft 21/KOH. from plunge room 4 Chem | 7970 | 1127 | 1033 | |
| | 7971 | 1127 | 1033 | Co |
| | 7972 | 1110 | 1033 | |
| Reg tube 4.4 1/02 ft 708 Rd plunge from repacks of 7901 21/KOH. | 7973 | 1090 | 1060 | |
| | 7974 | 1080 | 1067 | Co |
| | 7975 | 1067 | 1027 | |
| Reg tube B80 ft 1/2 in Thick ended needle tight 31 ft 23.8 708 Rd Shook tube (—) 21/KOH | 7976 | 1163 | | |
| | 7977 | 1173 | | |
| | 7978 | 1140 | | |
| Disp 7976 flask 1/2 thick 2 ft 23.8 from 708 Rd — feeds ampulette 21/ | 7979 | 827 | | |
| | 7980 | 750 | | |
| | 7981 | 830 | | |
| Reg tube 24 708 Rd — 00 ml 2.1 (Conc) KOH — 1111 ml Cl dumped down tube with both valves to ft 1 minute — then to storage ft 1 minute — then to 5% KOH, allowing flow to 1/2 way to 24 1/02 ft 22.99 21/KOH. — 600 | 7982 | 783 | 780 | |
| | 7983 | 817 | | Co |
| | 7984 | 760 | | |
| Disp 7982 21/KOH — 2 from KOH — 5.95' | 7985 | 780 | | |
| | 7986 | 630 | | Co |
| | 7987 | 690 | | |


7964 1020
7965 977
7966 1043
Co
7976 1107
7977 1073
7978 1007
Co
7979
7980
7981



Dup 7992
Grad from dashed ammonia
but globules would not dissolve —
boiled KOH, warmed from KOH, 2 drops
21% KOH 39 105 | 236 108
6.08

Dup 7988
21% KOH 2 gms 1.066 —

Rep Lot 219 107 & 24 705
Boiled up hexane in stem — Sulfuric NH4
warmed from NH4 — put together with
KOH, gobs blackened on out 3.
21% KOH —

Dup 7994
21% KOH 2 gms 1.066 after
5 worked out

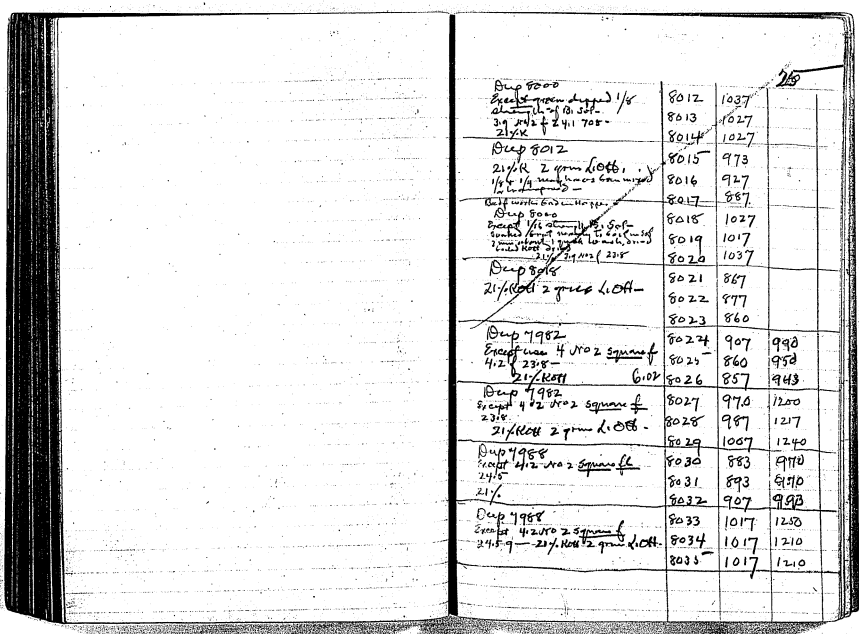
Rep Lot 708 dup B.06 NH4OH
Sample as usual 7619 but ½ dissolve
dropped 2 more mls thumb up
light yellow green thereafter 39 105 | 237 108
21% KOH, left it

Dup 8000
21% K 2 gms 1.066.

Dup 8006
Grad from soaked 1/4
dissolve
21% KOH —

Dup 8006
21% KOH 2 gms 1.066 —

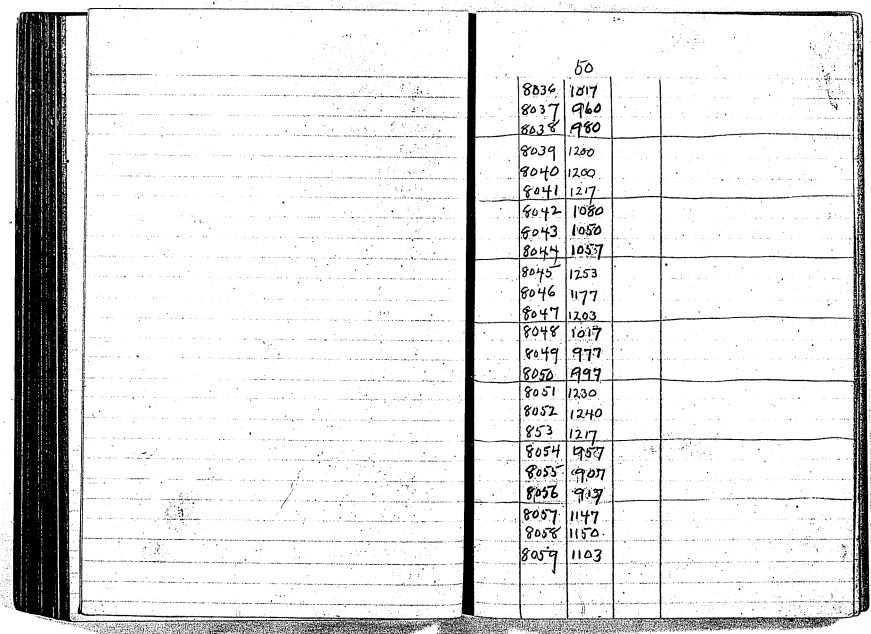
| | | |
|---|---|---|
| 7988 | 810 | |
| 7989 | 790 | |
| 7990 | 753 | |
| 7991 | 837 | |
| 7992 | 800 | |
| 7993 | 763 | |
| 7994 | 833 | |
| 7995 | 100 | all 833 came out of tube up product |
| 7998 | | |
| 7997 | | |
| 7998 | | |
| 7999 | | |
| 8000 | 933 | |
| 8001 | 903 | |
| 8002 | 827 | |
| 8003 | 897 | |
| 8004 | 880 | |
| 8005 | 877 | |
| 8006 | 1177 | |
| 8007 | 1173 | |
| 8008 | 1170 | |
| 8009 | 1013 | |
| 8010 | 960 | |
| 8011 | 970 | |



| | | | |
|---|---|---|---|
| Dup 8000 | 8012 | 1037 | |
| Except square dugout 1/8 | 8013 | 1027 | |
| 3.9 x 42 & 24.11 708- | 8014 | 1027 | |
| 21/K | | | |
| Dup 8012 | 8015 | 973 | |
| 21/K 2 grns L.088, | 8016 | 927 | |
| 1/4 & 1/4 | 8017 | 887 | |
| Dup 8018 | 8018 | 1027 | |
| | 8019 | 1017 | |
| | 8020 | 1037 | |
| Dup 8018 | 8021 | 867 | |
| 21/KRH 2 grns L.08A- | 8022 | 877 | |
| | 8023 | 860 | |
| Dup 7982 | 8024 | 907 | 998 |
| Except an 4 x 42 square & | 8025 | 860 | 958 |
| 4.2 & 23.8- | | | |
| 21/KRH 6.02 | 8026 | 857 | 943 |
| Dup 7982 | 8027 | 970 | 1200 |
| Except 4 x 42 square & | 8028 | 987 | 1217 |
| 23.8 | | | |
| 21/KRH 2 grns L.088- | 8029 | 1007 | 1240 |
| Dup 7988 | 8030 | 883 | 970 |
| Except 4.2 x 42 square & | 8031 | 893 | 970 |
| 24.5 | | | |
| 21/. | 8032 | 907 | 998 |
| Dup 7988 | 8033 | 1017 | 1258 |
| Except 4.2 x 42 square & | 8034 | 1017 | 1210 |
| 24.5 & 21/KRH 2 grns L.08A- | | | |
| | 8035 | 1017 | 1210 |

| | |
|---|---|
| 8024 | 933 |
| 8025 | 893 |
| 8026 | 883 |
| 8027 | 1233 |
| 8028 | 1283 |
| 8029 | 1300 |
| 8030 | 893 |
| 8031 | 887 |
| 8032 | 937 |
| 8033 | 1290 |
| 8034 | 1263 |
| 8035 | 1283 |

| | | | |
|---|---|---|---|
| Dup 8000 Except 4.5 No 2 squares 24.4 grms 21% KOH — | 8036 | 1017 | 1087 |
| | 8037 | 977 | 1023 |
| | 8038 | 983 | 1033 |
| Dup 8000 Except 4.5 No 2 squares 24.4 g 21% KOH 2 grms LiOH — | 8039 | 1030 | 1200 |
| | 8040 | 1006 | 1200 |
| | 8041 | 1037 | 1200 |
| Dup 8006 Except 4.5 No 2 squares 24.5 g 21% KOH — | 8042 | 1213 | 1150 |
| | 8043 | 1270 | 1140 |
| | 8044 | 1213 | 1143 |
| Dup 8006 Except 4.5 No 2 squares 24.5 g 21% KOH 2 grms LiOH. | 8045 | 1137 | 1243 |
| | 8046 | 1163 | 1200 |
| | 8047 | 1127 | 1233 |
| Dup 8012 Except 4.5 No 2 squares 24 grms 21% | 8048 | 1097 | 1103 |
| | 8049 | 1087 | 1060 |
| | 8050 | 1043 | 1063 |
| Dup 8012 Except 4.5 squares 24 g 21% KOH 2 grms LiOH — | 8051 | 1093 | 1233 |
| | 8052 | 1100 | 1237 |
| | 8053 | 1100 | 1223 |
| Dup 8018 Except 4.5 No 2 squares 24 g | 8054 | 1123 | 1000 |
| | 8055 | 1083 | 970 |
| | 8056 | 1110 | 983 |
| Dup 8018 Except 4.5 No 2 squares 24 gr 21% KOH 2 grms LiOH. | 8057 | 1047 | 1133 |
| | 8058 | 1033 | 1100 |
| | 8059 | 1023 | 1097 |



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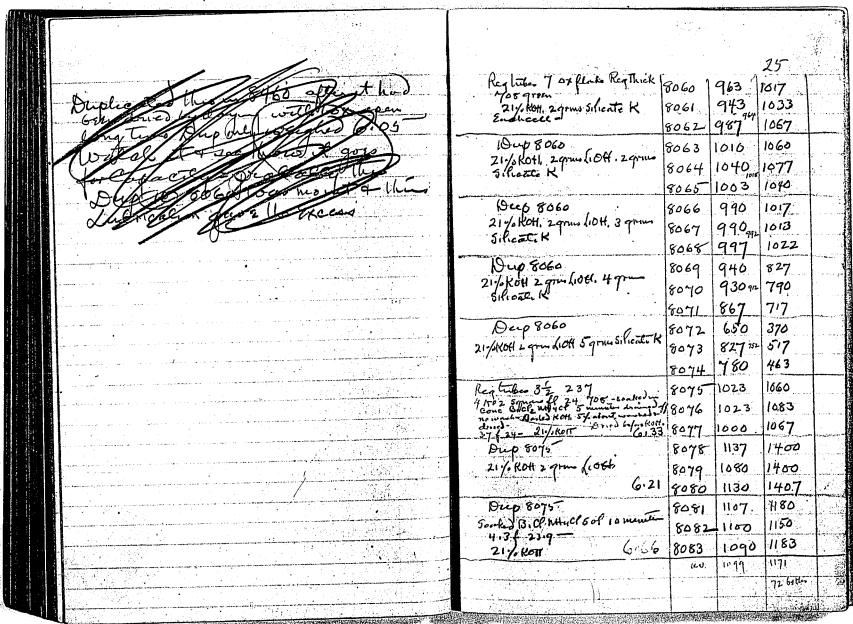
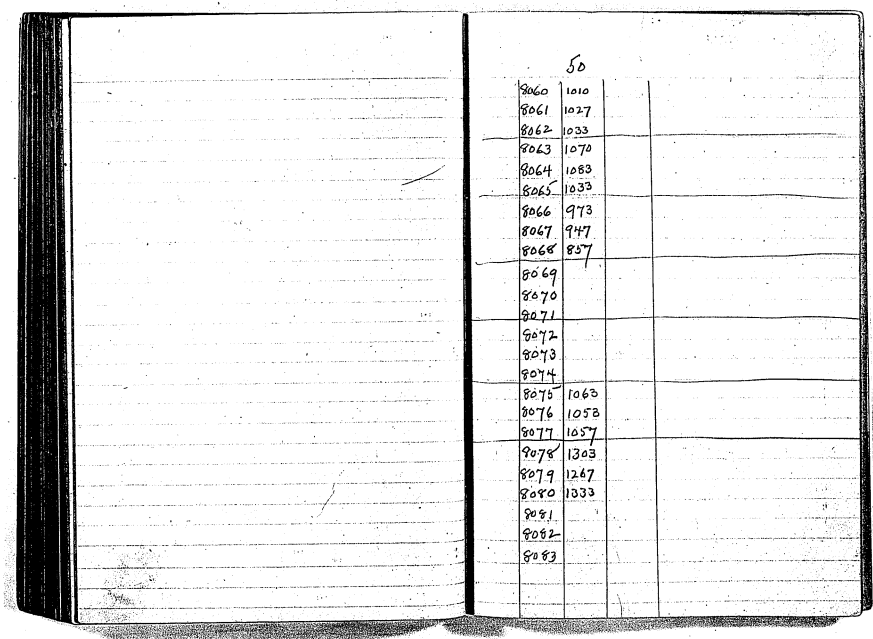
| | | | |
|---|---|---|---|
| 8036 | 1017 | | |
| 8037 | 960 | | |
| 8038 | 980 | | |
| 8039 | 1200 | | |
| 8040 | 1200 | | |
| 8041 | 1217 | | |
| 8042 | 1080 | | |
| 8043 | 1050 | | |
| 8044 | 1057 | | |
| 8045 | 1253 | | |
| 8046 | 1177 | | |
| 8047 | 1203 | | |
| 8048 | 1017 | | |
| 8049 | 977 | | |
| 8050 | 997 | | |
| 8051 | 1230 | | |
| 8052 | 1240 | | |
| 853 | 1217 | | |
| 8054 | 1057 | | |
| 8055 | 1007 | | |
| 8056 | 917 | | |
| 8057 | 1147 | | |
| 8058 | 1150 | | |
| 8059 | 1103 | | |





| | | | |
|---|---|---|---|
| Reg Tuber 7 oz plants Reg Thick 705 gram 21% KOH. 2 grms Silicate K Endocarp | 8060 | 963 | 1017 |
| | 8061 | 943 | 1033 |
| | 8062 | 987 | 1067 |
| Dup 8060 21% KOH. 2 grms LiOH. 2 grms Silicate K | 8063 | 1010 | 1060 |
| | 8064 | 1040 | 1077 |
| | 8065 | 1003 | 1090 |
| Dup 8060 21% KOH. 2 grms LiOH. 3 grms Silicate K | 8066 | 990 | 1017 |
| | 8067 | 990 | 1013 |
| | 8068 | 997 | 1022 |
| Dup 8060 21% KOH 2 grms LiOH. 4 grms Silicate K | 8069 | 940 | 827 |
| | 8070 | 930 | 790 |
| | 8071 | 867 | 717 |
| Dup 8060 21% KOH 2 grms LiOH 5 grms Silicate K | 8072 | 650 | 370 |
| | 8073 | 827 | 517 |
| | 8074 | 780 | 463 |
| Reg Tuber 8 oz 237 4 oz 2 grms 88.24 705 - control Some Callus without shoots 5 days in 21% KOH 2 grms LiOH 5 grms Silicate K 24 hours removed 24 hours Rinsed in 21% KOH 6.33 | 8075 | 1023 | 1060 |
| | 8076 | 1023 | 1083 |
| | 8077 | 1000 | 1067 |
| Dup 8075 21% KOH 2 grms LiOH 6.21 | 8078 | 1137 | 1400 |
| | 8079 | 1080 | 1400 |
| | 8080 | 1130 | 1407 |
| Dup 8075 Soaked 13 Of Mitucl 6 of 10 minutes 4.3 f 22.9 21% KOH 6.66 | 8081 | 1107 | 1180 |
| | 8082 | 1100 | 1150 |
| | 8083 | 1090 | 1183 |
| | | 1099 | 1171 |
| | | | 72 hours |



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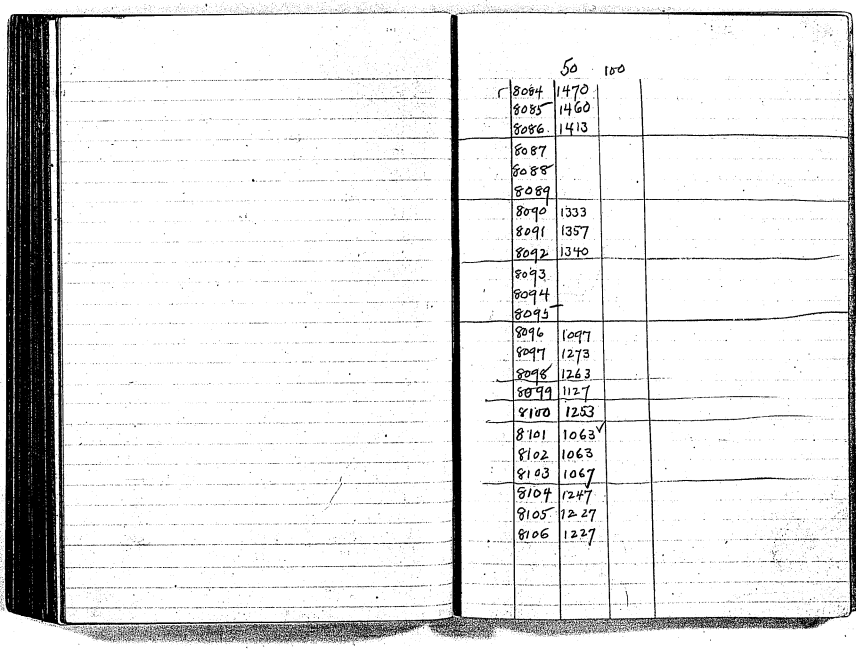
| | | | | |
|---|---|---|---|---|
| 8060 | 1010 | | | |
| 8061 | 1027 | | | |
| 8062 | 1033 | | | |
| 8063 | 1070 | | | |
| 8064 | 1083 | | | |
| 8065 | 1033 | | | |
| 8066 | 973 | | | |
| 8067 | 947 | | | |
| 8068 | 857 | | | |
| 8069 | | | | |
| 8070 | | | | |
| 8071 | | | | |
| 8072 | | | | |
| 8073 | | | | |
| 8074 | | | | |
| 8075 | 1063 | | | |
| 8076 | 1058 | | | |
| 8077 | 1057 | | | |
| 8078 | 1303 | | | |
| 8079 | 1267 | | | |
| 8080 | 1333 | | | |
| 8081 | | | | |
| 8082 | | | | |
| 8083 | | | | |

8084 6:66 — Dup of chrs just
made shows only 6.05 —
Same stuff except it has green in open
Mixt tube 2 or 3 to tubes + stirred
out — Mixtures in 1st tube (8084)
must have lubricated green + cause
Excess — Watch Capacity +

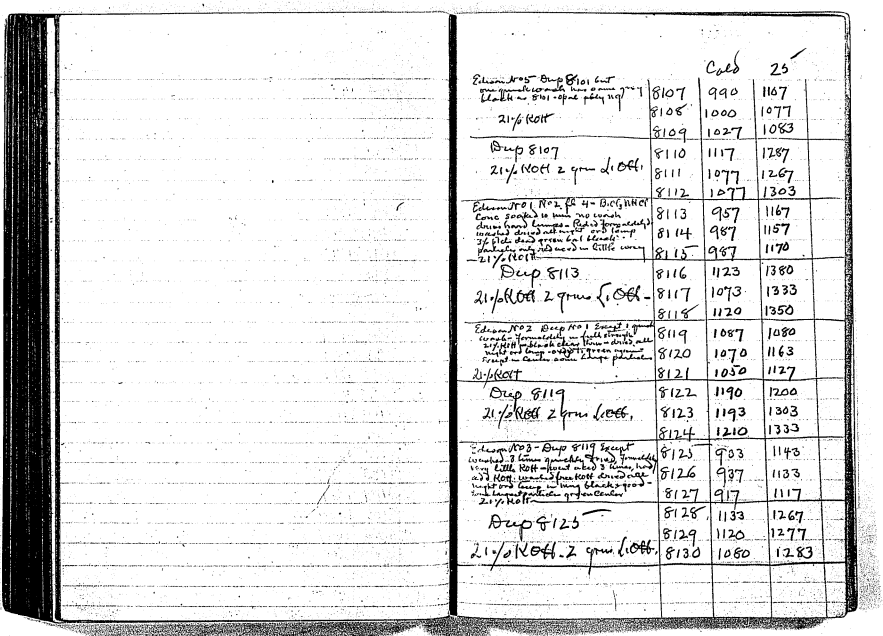
Dec results =
Dumps on 8084 = 270
" " 8460 257

This would put more flake in 8084 +
thus account for some of the Extra
heavy wt —

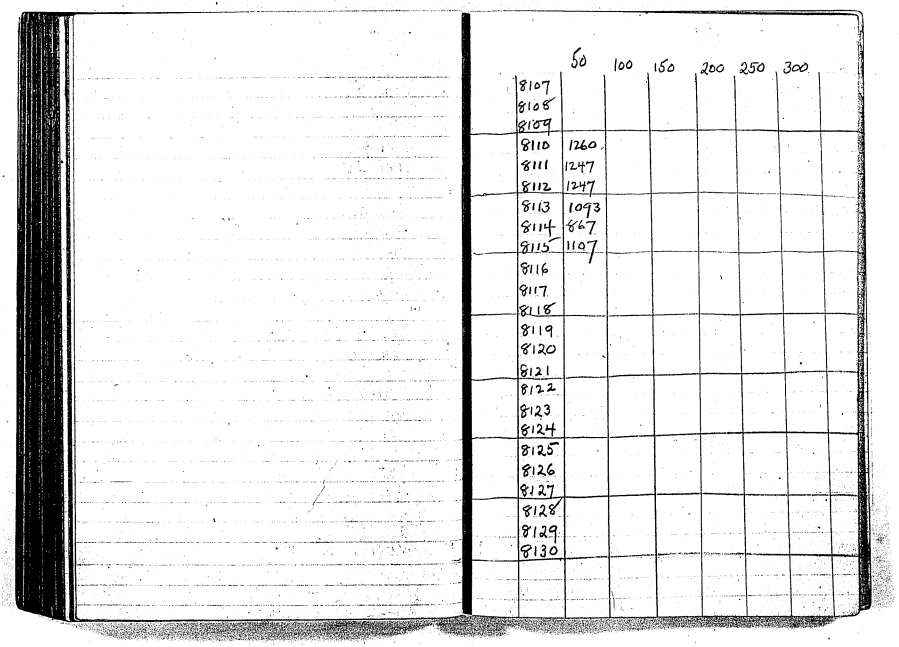
| | | 12:45 Dec | 1:45 Dec 25 |
|---|---|---|---|
| Dup 8081 | 8084 | 1230 | 1447 |
| 21% KOH 2 gms 1.0H. | 8085 | 1227 | 1457 |
| 6.66 | 8086 | 1220 | 1463 |
| Dup 8075 — | 8087 | 937 | 1120 |
| Except Loaded 20 min | 8088 | 943 | 1110 |
| in Ball Mill of Same | 8089 | 943 | 1077 |
| 21% KOH | | | |
| Dup 8087 | 8090 | 1090 | 1383 |
| 21% KOH 2 gms 1.0H. | 8091 | 1100 | 1393 |
| | 8092 | 1080 | 1390 |
| Dup 8093 — | 8093 | 910 | 1120 |
| Except Tank 10 min in Ball Mill of | 8094 | 917 | 1110 |
| Same — Then dried — | 8095 | 930 | 1133 |
| 21% KOH. | | | |
| Dup 8093 | 8096 | 1087 | 1333 |
| 21% KOH. 2 gms 1.0H. | 8097 | 1087 | 1417 |
| | 8098 | 1060 | 1380 |
| Reg Lot 3 & 237 | 8099 | 1057 | 1117 |
| 41/102 2 gms of 24 — the green | 8100 | 1093 | 1323 |
| 8030 Industrial Smelter | | | |
| 21% KOH | 8000 | | |
| Reg Lot 3 & 237 — 2 Aluminum | 8101 | 1023 | 1047 |
| 8102 | 1000 | 1050 |
| 8103 | 987 | 1040 |
| 21% KOH | | |
| Dup 8101 | 8104 | 1123 | 1333 |
| 21% KOH 2 gms 1.0H. | 8105 | 1103 | 1307 |
| | 8106 | 1067 | 1267 |



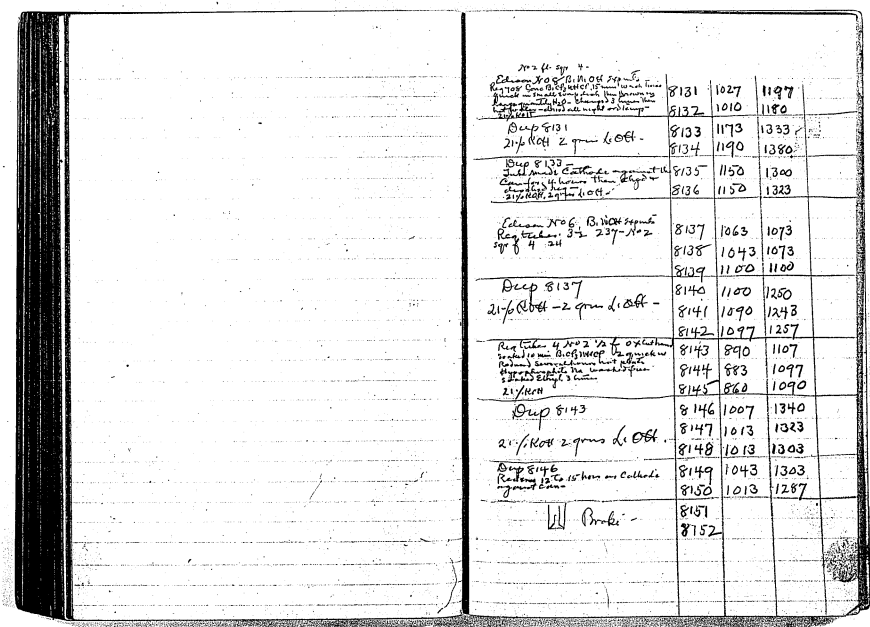
| | 50 | 100 |
|---|---|---|
| 8084 | 1470 | |
| 8085 | 1460 | |
| 8086 | 1413 | |
| 8087 | | |
| 8088 | | |
| 8089 | | |
| 8090 | 1333 | |
| 8091 | 1357 | |
| 8092 | 1340 | |
| 8093 | | |
| 8094 | | |
| 8095 | | |
| 8096 | 1097 | |
| 8097 | 1273 | |
| 8098 | 1263 | |
| 8099 | 1127 | |
| 8100 | 1253 | |
| 8101 | 1063 | |
| 8102 | 1063 | |
| 8103 | 1067 | |
| 8104 | 1247 | |
| 8105 | 1227 | |
| 8106 | 1227 | |



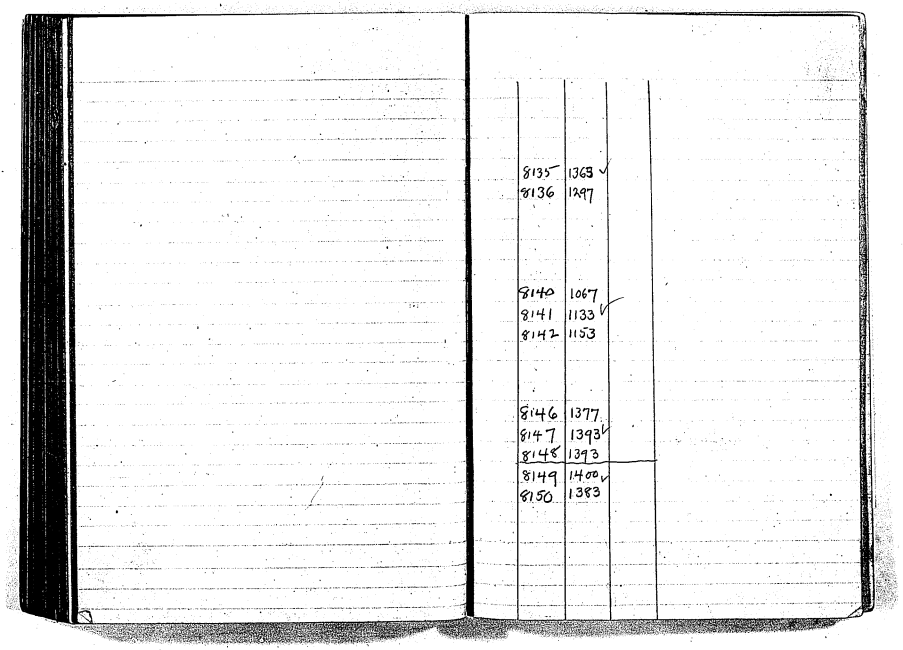
| | | Cold | 25 |
|---|---|---|---|
| Edison No5 Dup 8101 but [illegible] | 8107 | 990 | 1167 |
| 21% NOH | 8108 | 1000 | 1077 |
| | 8109 | 1027 | 1083 |
| Dup 8107 | 8110 | 1117 | 1287 |
| 21% NOH 2 gms Lioff. | 8111 | 1077 | 1267 |
| | 8112 | 1277 | 1303 |
| Edison No1 No2 fd 4- B.of NHOH | 8113 | 957 | 1167 |
| [illegible] | 8114 | 987 | 1157 |
| [illegible] | 8115 | 987 | 1170 |
| 21% NOH | | | |
| Dup 8113 | 8116 | 1123 | 1380 |
| 21% NOH 2 gms Lioff. | 8117 | 1073 | 1333 |
| | 8118 | 1120 | 1350 |
| Edison No2 Dup No1 Except [illegible] | 8119 | 1087 | 1080 |
| [illegible] | 8120 | 1070 | 1163 |
| 21% NOH | 8121 | 1050 | 1127 |
| Dup 8119 | 8122 | 1190 | 1200 |
| 21% NOH 2 gms Lioff. | 8123 | 1193 | 1303 |
| | 8124 | 1210 | 1333 |
| Edison No3 - Dup 8119 Except [illegible] | 8125 | 903 | 1148 |
| [illegible] | 8126 | 937 | 1133 |
| [illegible] | 8127 | 917 | 1117 |
| Dup 8125 | 8128 | 1133 | 1267 |
| | 8129 | 1120 | 1277 |
| 21% NOH. 2 gms Lioff. | 8130 | 1080 | 1283 |



| | 50 | 100 | 150 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|
| 8107 | | | | | | |
| 8108 | | | | | | |
| 8109 | | | | | | |
| 8110 | 1260 | | | | | |
| 8111 | 1247 | | | | | |
| 8112 | 1247 | | | | | |
| 8113 | 1093 | | | | | |
| 8114 | 867 | | | | | |
| 8115 | 1107 | | | | | |
| 8116 | | | | | | |
| 8117 | | | | | | |
| 8118 | | | | | | |
| 8119 | | | | | | |
| 8120 | | | | | | |
| 8121 | | | | | | |
| 8122 | | | | | | |
| 8123 | | | | | | |
| 8124 | | | | | | |
| 8125 | | | | | | |
| 8126 | | | | | | |
| 8127 | | | | | | |
| 8128 | | | | | | |
| 8129 | | | | | | |
| 8130 | | | | | | |



| | | | |
|---|---|---|---|
| | 8131 | 1027 | 1197 |
| | 8132 | 1010 | 1180 |
| Dup 8131 | 8133 | 1173 | 1333 |
| | 8134 | 1190 | 1380 |
| | 8135 | 1150 | 1300 |
| | 8136 | 1150 | 1323 |
| | 8137 | 1063 | 1073 |
| | 8138 | 1043 | 1073 |
| | 8139 | 1100 | 1100 |
| Dup 8137 | 8140 | 1100 | 1250 |
| | 8141 | 1090 | 1243 |
| | 8142 | 1097 | 1257 |
| | 8143 | 890 | 1107 |
| | 8144 | 883 | 1097 |
| | 8145 | 860 | 1090 |
| Dup 8143 | 8146 | 1007 | 1340 |
| | 8147 | 1013 | 1323 |
| | 8148 | 1013 | 1303 |
| Dup 8146 | 8149 | 1043 | 1303 |
| | 8150 | 1013 | 1287 |
| W Brooks | 8151 | | |
| | 8152 | | |



| | |
|---|---|
| 8135 | 1363 |
| 8136 | 1297 |
| 8140 | 1067 |
| 8141 | 1133 |
| 8142 | 1153 |
| 8146 | 1377 |
| 8147 | 1393 |
| 8148 | 1393 |
| 8149 | 1400 |
| 8150 | 1383 |

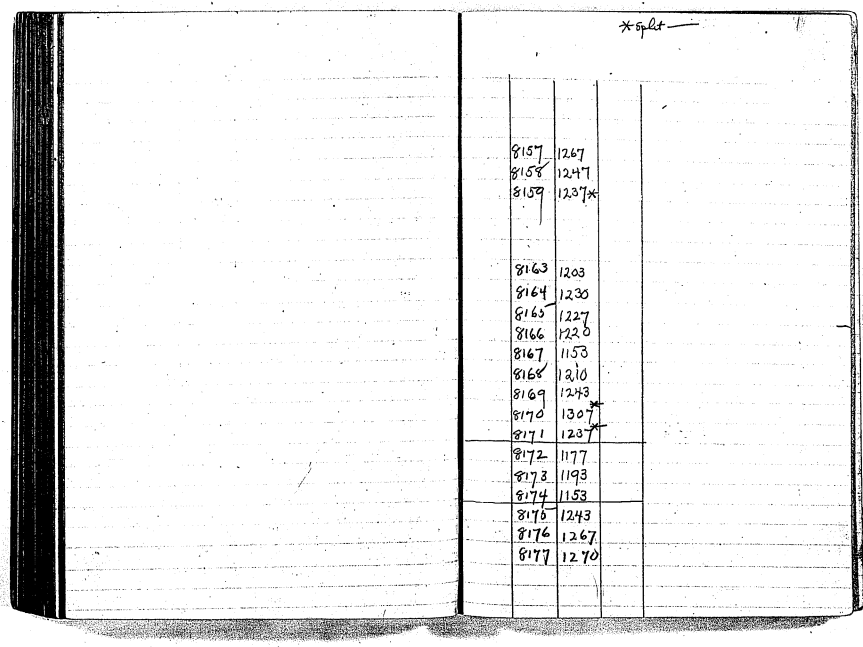
X 5gpr flake

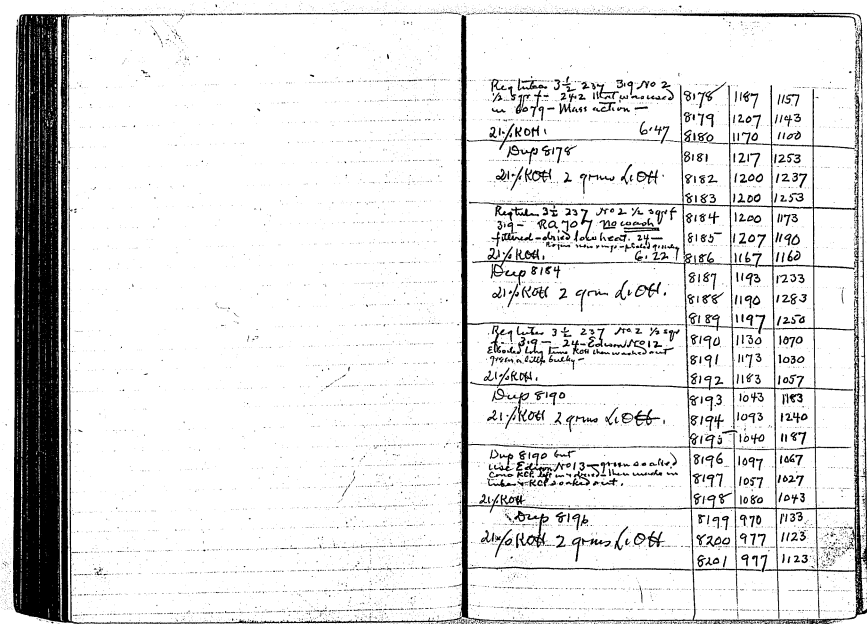
This flake is the most beautiful [illegible] ever had — it was very bright after Oxidation Deep reduced it of dull red on very dark day = The flake was oxidized [illegible] but only ½ of [illegible] other [illegible]

this is good for weight

25

| | | | |
|---|---|---|---|
| Reg tubes 3½ 237 X No 2 5gr ft ½ ox Ed on No 9 Bi mott sep 15 7.29 grs on 237 21½KOH — | 8154 | 963 | 917 |
| | 8155 | 950 | 930 |
| | 8156 | 963 | 923 |
| Dup 8154 21½KOH. 2 gr | 8157 | 1073 | 1387 |
| | 8158 | 1047 | 1273 |
| | 8159 | 1050 | 1260 |
| Reg tubes 3½ 237 No 2 5gr ft ½ ox 24: Edison No 10 Bi mott sept | 8160 | 1177 | 1133 |
| | 8161 | 1180 | 1140 |
| | 8162 | 1180 | 1130 |
| Dup 8160 21½KOH 2 Lieht. | 8163 | 1067 | 1220 |
| | 8164 | 1070 | 1227 |
| | 8165 | 1067 | 1227 |
| Reg tubes 3½ 237 No 4 X 5grains ft ½ ox 29f - 23.8 Edison No 11 (Bi.) | 8166 | 1007 | 1093 |
| | 8167 | 983 | 1063 |
| | 8168 | 990 | 1057 |
| Dup 8166 21K 2 Light. | 8169 | 1137 | 1280 |
| | 8170 | 1139 | 1353 |
| | 8171 | 1130 | 1243 |
| Reg tubes — 3½ 237 24 grs on RA 718 Thurs 20 3½ No 2 — ½ Oxide 5grains 21½KOH 2grains Lieht 6.09 | 8172 | 1217 | 1167 |
| | 8173 | 1227 | 1180 |
| | 8174 | 1200 | 1157 |
| Dup 8172 21½KOH 2 grains Light 6.09 | 8175 | 1147 | 1230 |
| | 8176 | 1170 | 1267 |
| | 8177 | 1143 | 1270 |


*split
8157 1267
8158 1247
8159 1237*
8163 1203
8164 1230
8165 1227
8166 1220
8167 1153
8168 1210
8169 1243
8170 1307*
8171 1237*
8172 1177
8173 1193
8174 1153
8175 1243
8176 1267
8177 1270



Reg Lutes 3½ 237 Big No 2 ½ sgm + 242 Heat pulverized in dry — Mass action —

21%KOH. 6.47

Dup 8178

21%KOH 2 gms LiOH.

Reg Lutes 3½ 237 No 2 ½ sgm + Ra 707 No cover Heated rapid low heat. 21% KOH.

Dup 8184

21%KOH 2 gms LiOH.

Reg Lutes 3½ 237 No 2 ½ sgm Big Edison No 12 Electrolyte — 24% KOH then washed out from a dish basket —

21%KOH.

Dup 8190

21%KOH 2 gms LiOH.

Dup 8190 but Edison No 13 — then washed out from a dish basket —

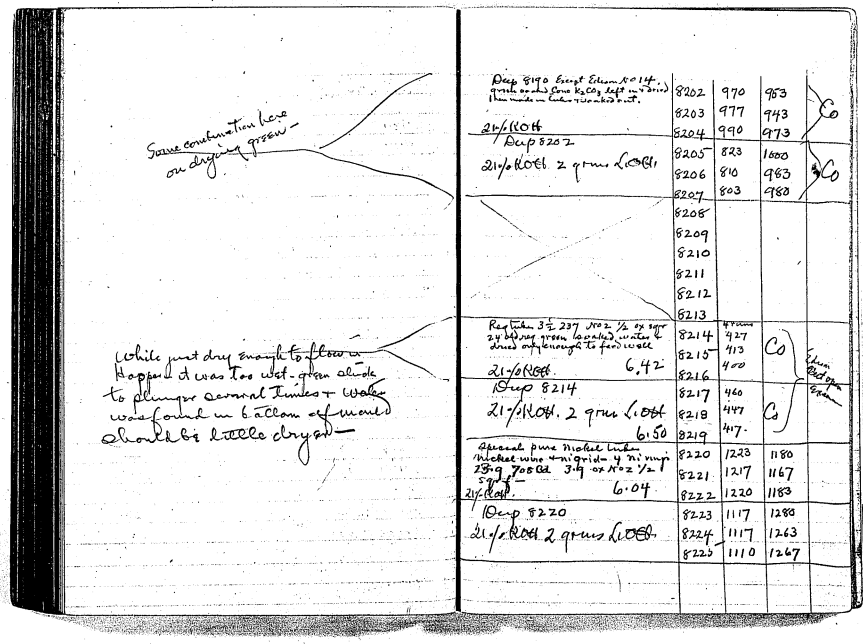
21%KOH

Dup 8196

21%KOH 2 gms LiOH

| | | | |
|---|---|---|---|
| 8178 | 1187 | 1157 |
| 8179 | 1207 | 1143 |
| 8180 | 1170 | 1100 |
| 8181 | 1217 | 1253 |
| 8182 | 1200 | 1237 |
| 8183 | 1200 | 1253 |
| 8184 | 1200 | 1173 |
| 8185 | 1207 | 1190 |
| 8186 | 1167 | 1160 |
| 8187 | 1193 | 1233 |
| 8188 | 1190 | 1283 |
| 8189 | 1197 | 1258 |
| 8190 | 1130 | 1070 |
| 8191 | 1173 | 1030 |
| 8192 | 1183 | 1057 |
| 8193 | 1043 | 1183 |
| 8194 | 1093 | 1240 |
| 8195 | 1040 | 1187 |
| 8196 | 1097 | 1067 |
| 8197 | 1057 | 1027 |
| 8198 | 1080 | 1043 |
| 8199 | 970 | 1133 |
| 8200 | 977 | 1123 |
| 8201 | 997 | 1123 |

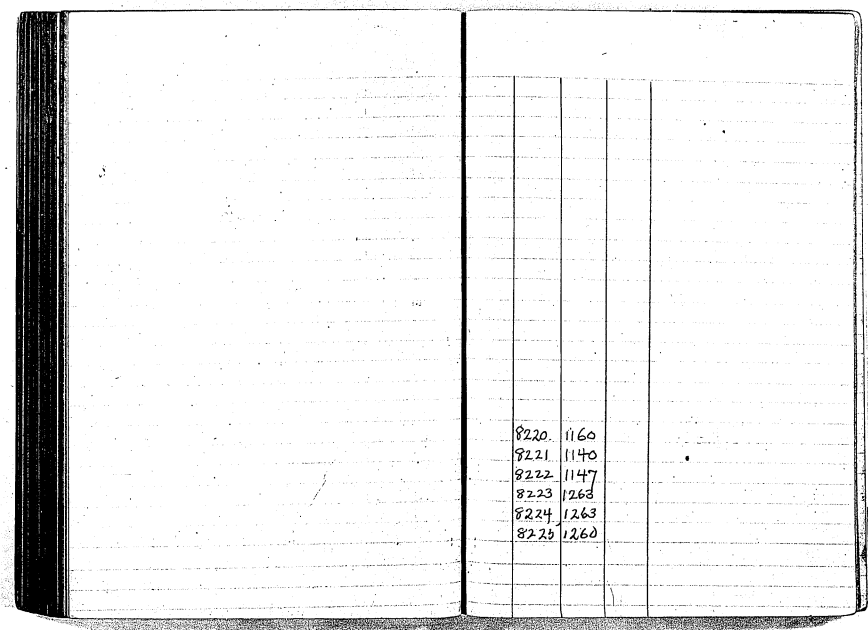
| | |
|---|---|
| 8178 | 1153 |
| 8179 | 1167 |
| 8180 | 1107 |
| 8181 | 1303 |
| 8182 | 1287 |
| 8183 | 1300 |
| 8184 | 1170 |
| 8185 | 1200 |
| 8186 | 1177 |
| 8187 | 1267 |
| 8188 | 1313 |
| 8189 | 1300 |
| 8190 | 1063 |
| 8191 | 1108 |
| 8192 | 1137 |
| 8193 | 1170 |
| 8194 | 1223 |
| 8195 | 1177 |
| 8196 | 1047 |
| 8197 | 1023 |
| 8198 | 1023 |
| 8199 | 1133 |
| 8200 | 1130 |
| 8201 | 1133 |

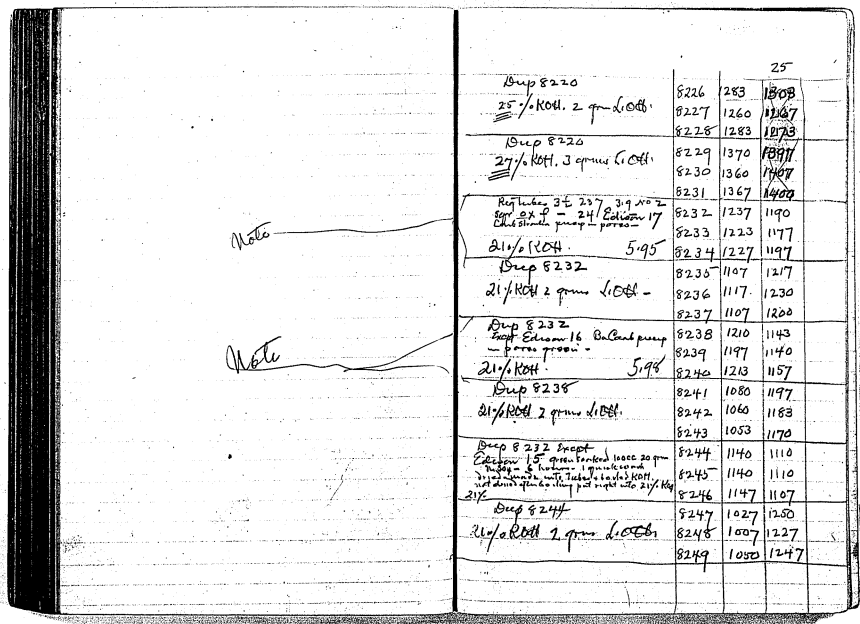


Some combustion here on drying green—

While just dry enough to flow — Happened it was too wet - green also to plunger several times + water was found in bottom of mould should be little dryer—

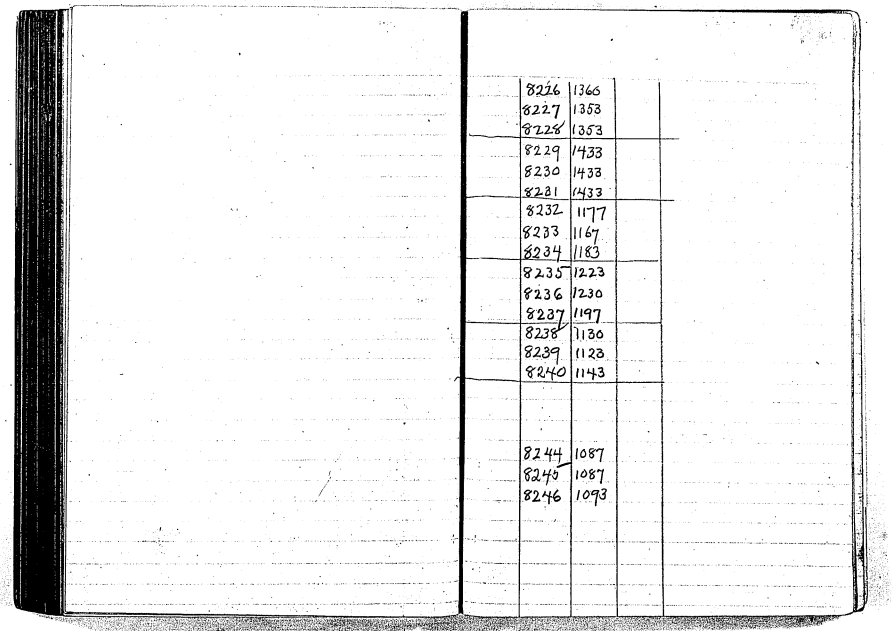
| | | | | |
|---|---|---|---|---|
| Dep 8190 Except Electrum No 14 green on this Some $K_2CO_3$ left in Brass then under tube 700 Red & wt. | 8202 | 970 | 953 | Co |
| | 8203 | 977 | 943 | |
| 21%KOH | 8204 | 990 | 973 | |
| Dep 8202 | | | | |
| 21% KOH 2 grms LiOH | 8205 | 823 | 1600 | Co |
| | 8206 | 810 | 963 | |
| | 8207 | 803 | 980 | |
| | 8208 | | | |
| | 8209 | | | |
| | 8210 | | | |
| | 8211 | | | |
| | 8212 | | | |
| | 8213 | | | |
| Reg Tube 3½ 237 $NO_2$ ½ oz 24 hr green (usually) water dried only enough To feed) well | 8214 | 427 | | Co — Some Red on Green |
| | 8215 | 413 | | |
| 21%KOH. 6.42 | 8216 | 400 | | |
| Dep 8214 | 8217 | 460 | | Co |
| 21% KOH. 2 grms LiOH | 8218 | 447 | | |
| 6.50 | 8219 | 417 | | |
| Several pure Nickel Tube Nickel wire + nigrid 4 ½ mm 25.9 708 Cd 3.4 ox $NO_2$ ½ T 5 gal — | 8220 | 1223 | 1180 | |
| | 8221 | 1217 | 1167 | |
| 21% KOH. 6.04 | 8222 | 1220 | 1183 | |
| Dep 8220 | 8223 | 1117 | 1280 | |
| 21% KOH 2 grms LiOH. | 8224 | 1117 | 1263 | |
| | 8225 | 1110 | 1267 | |


8220 1160
8221 1140
8222 1147
8223 1263
8224 1263
8225 1260

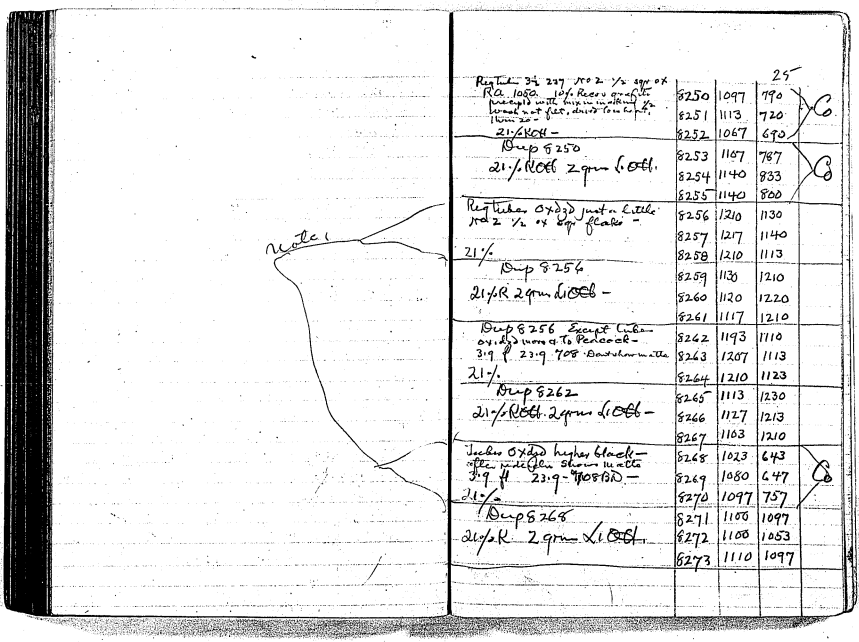


25

| | | | |
|---|---|---|---|
| Dup 8220 | 8226 | 1283 | 1808 |
| 25 % KOH. 2 gms Lodd. | 8227 | 1260 | 1247 |
| | 8228 | 1283 | 1273 |
| Dup 8220 | 8229 | 1370 | 1391 |
| 27% KOH. 3 gms Lodd. | 8230 | 1360 | 1407 |
| | 8231 | 1367 | 1409 |
| Replicates 3 & 23 3.9 no 2 | 8232 | 1237 | 1190 |
| Note — Edison 17 Edison 24 Edison Shimadzu pump — porous — | 8233 | 1223 | 1177 |
| 21% KOH. 5.95 | 8234 | 1227 | 1197 |
| Dup 8232 | 8235 | 1107 | 1217 |
| 21% KOH 2 gms Lodd — | 8236 | 1117 | 1230 |
| | 8237 | 1107 | 1200 |
| Dup 8232 except Edison 16 Beckman pump — porous probe — | 8238 | 1210 | 1143 |
| Note | 8239 | 1197 | 1140 |
| 21% KOH 5.98 | 8240 | 1213 | 1157 |
| Dup 8238 | 8241 | 1080 | 1197 |
| 21% KOH 2 gms Lodd. | 8242 | 1060 | 1183 |
| | 8243 | 1053 | 1170 |
| Dup 8232 except Edison 15 gms leaked 1000 cc 20 gms Note — 6 hours — 1 gm/6 seconds 21% KOH just down from leaking pot right into 21% Kg | 8244 | 1140 | 1110 |
| | 8245 | 1140 | 1110 |
| | 8246 | 1147 | 1107 |
| Dup 8244 | 8247 | 1027 | 1250 |
| 21% KOH 2 gms Lodd | 8248 | 1007 | 1227 |
| | 8249 | 1050 | 1247 |



| | |
|---|---|
| 8226 | 1366 |
| 8227 | 1358 |
| 8228 | 1353 |
| 8229 | 1433 |
| 8230 | 1438 |
| 8231 | 1433 |
| 8232 | 1177 |
| 8233 | 1167 |
| 8234 | 1183 |
| 8235 | 1223 |
| 8236 | 1230 |
| 8237 | 1197 |
| 8238 | 1130 |
| 8239 | 1123 |
| 8240 | 1143 |
| 8244 | 1087 |
| 8245 | 1087 |
| 8246 | 1093 |



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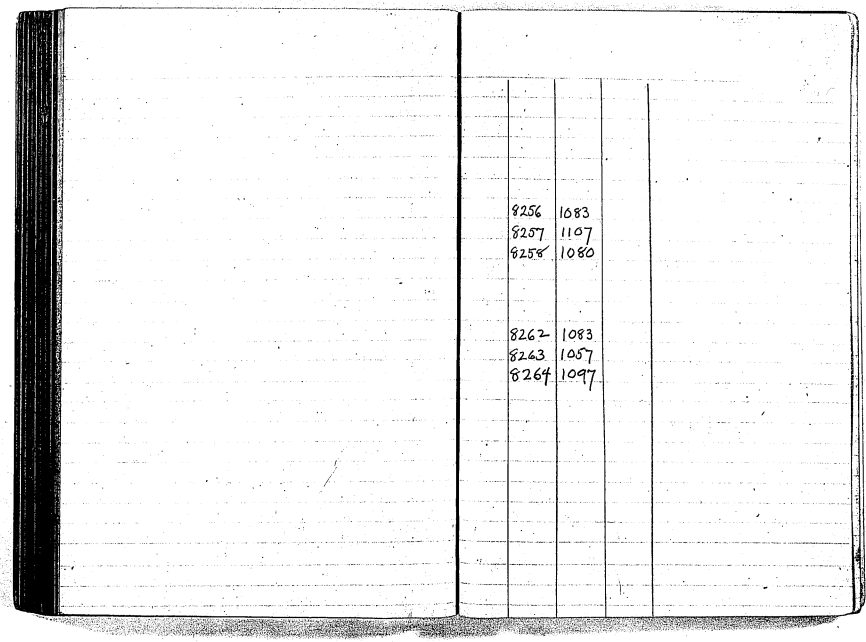
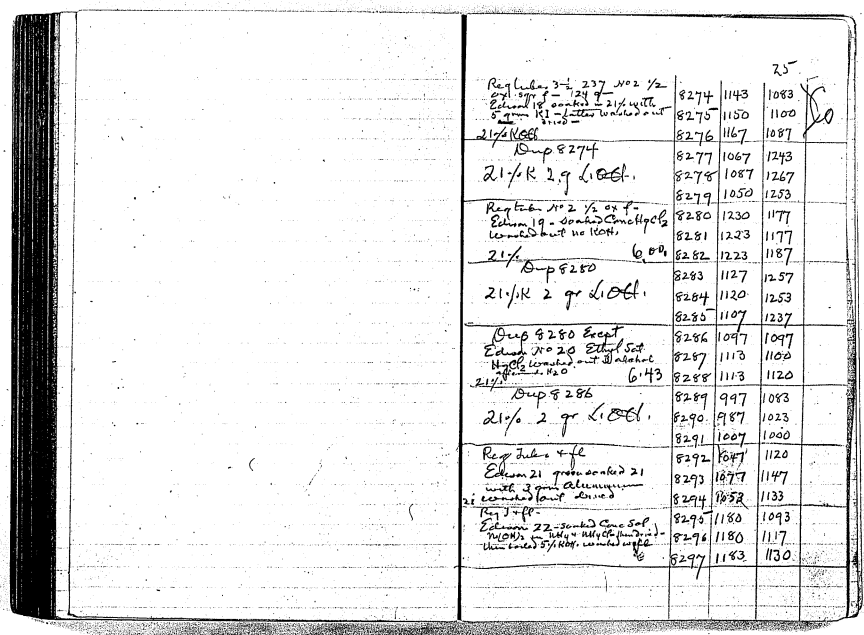
| | | | |
|---|---|---|---|
| Rig Tubes 34 227 Jet 2 ½ opp ex R.A. 1080. 10% Resin grafite packing with lubricating oil bored out fast, drive to end of 1 turn 20 – | 8250 | 1097 | 790 |
| | 8251 | 1113 | 720 |
| 21% NOH – | 8252 | 1067 | 690 |
| Dup 8250 | 8253 | 1107 | 787 |
| 21% NOH 2 gpm 1.08H. | 8254 | 1140 | 833 |
| | 8255 | 1140 | 800 |
| Rig Tubes 0x23d just a little Jet 2 ½ ex Opp flakes – | 8256 | 1210 | 1130 |
| | 8257 | 1217 | 1140 |
| 21% | 8258 | 1210 | 1113 |
| Dup 8256 | 8259 | 1130 | 1210 |
| 21% R 2 gpm 1.08H – | 8260 | 1120 | 1220 |
| | 8261 | 1117 | 1210 |
| Dup 8256 Except Tubes 0x1.823 more a To Perlcock – 3.9 ft 23.9 708 Bentuhorn mills | 8262 | 1193 | 1110 |
| | 8263 | 1207 | 1113 |
| 21% | 8264 | 1210 | 1123 |
| Dup 8262 | 8265 | 1113 | 1230 |
| 21% NOH 2 gpm 1.08H – | 8266 | 1127 | 1213 |
| | 8267 | 1103 | 1210 |
| Tubes 0x1.90 higher block – after injection shows in ratio 3.9 ft 23.9 – 708 BD – | 8268 | 1023 | 643 |
| | 8269 | 1080 | 647 |
| 21% | 8270 | 1097 | 757 |
| Dup 8268 | 8271 | 1108 | 1097 |
| 21% R 2 gpm 1.08H. | 8272 | 1108 | 1053 |
| | 8273 | 1110 | 1097 |

Note 1


8256 1083
8257 1107
8258 1080
8262 1083
8263 1057
8264 1097



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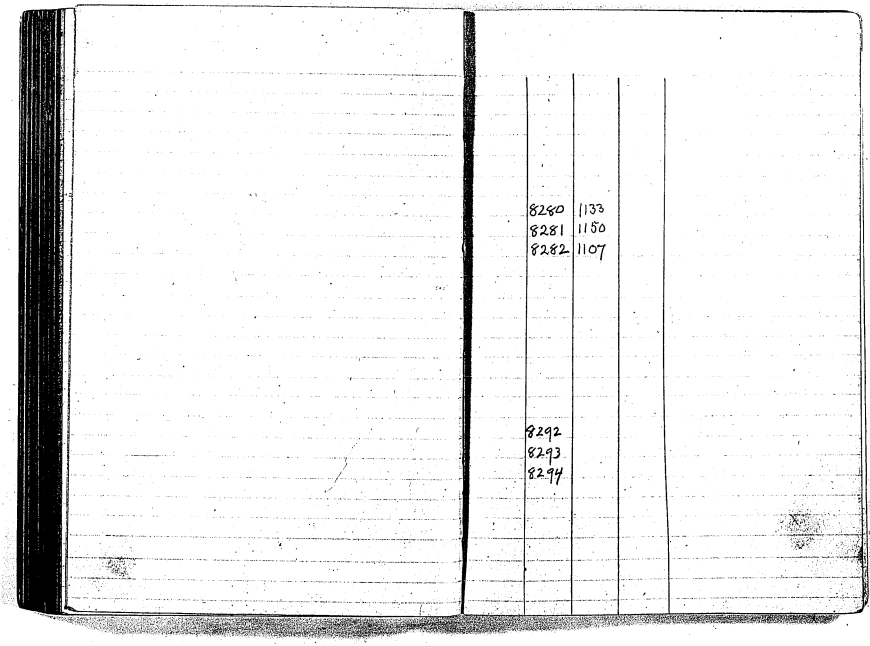
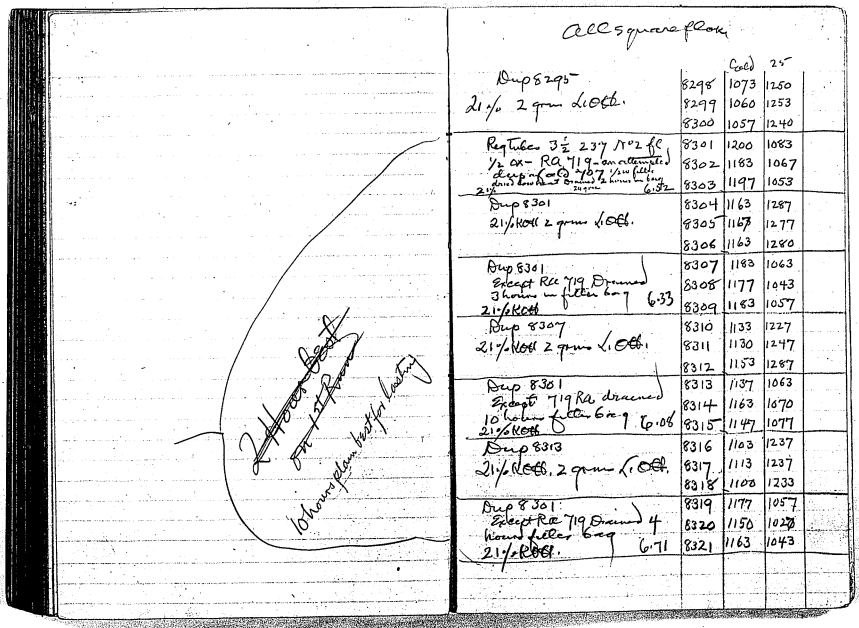
| | | | |
|---|---|---|---|
| Reg Tube 3½ 237 No 2 ½ Ex. 20% f - 124 g - Ethanol 18 soaked 21% with 5 gm KI - after washed out 8100 - | 8274 | 1143 | 1083 |
| | 8275 | 1150 | 1100 |
| | 8276 | 1167 | 1087 |
| 21% KOH | | | |
| Dup 8274 | 8277 | 1067 | 1243 |
| 21% K 2 g 1 Oct. | 8278 | 1087 | 1267 |
| | 8279 | 1050 | 1253 |
| Reg Tube No 2 ½ ox f - Eclum 19 - soaked Cmethgal leached out no KOH. | 8280 | 1230 | 1177 |
| | 8281 | 1223 | 1177 |
| 6.80 | 8282 | 1223 | 1187 |
| 21% Dup 8280 | 8283 | 1127 | 1257 |
| 21% K 2 gr 1 Oct. | 8284 | 1120 | 1253 |
| | 8285 | 1107 | 1237 |
| Dup 8280 Except Eclum No 20 Ethyl Sat. $HgCl_2$ leached out Alcohol after $H_2O$ | 8286 | 1097 | 1097 |
| | 8287 | 1113 | 1100 |
| 6.43 | 8288 | 1113 | 1120 |
| 21% Dup 8286 | 8289 | 997 | 1083 |
| 21% 2 gr 1 Oct. | 8290 | 987 | 1023 |
| | 8291 | 1007 | 1000 |
| Reg Tube 4 f Eclum 21 green soaked 21 with 3 gm Aluminum leached out KOH | 8292 | 1047 | 1120 |
| | 8293 | 1077 | 1147 |
| 21 | 8294 | 1052 | 1133 |
| Reg 7 ff - Eclum 22 - soaked Zinc Sat. with $H_2O_2$ in $H_2O$ + Hydrochloric acid - then soaked 5% KOH - leached out | 8295 | 1180 | 1093 |
| | 8296 | 1180 | 1117 |
| 6 | 8297 | 1183 | 1130 |

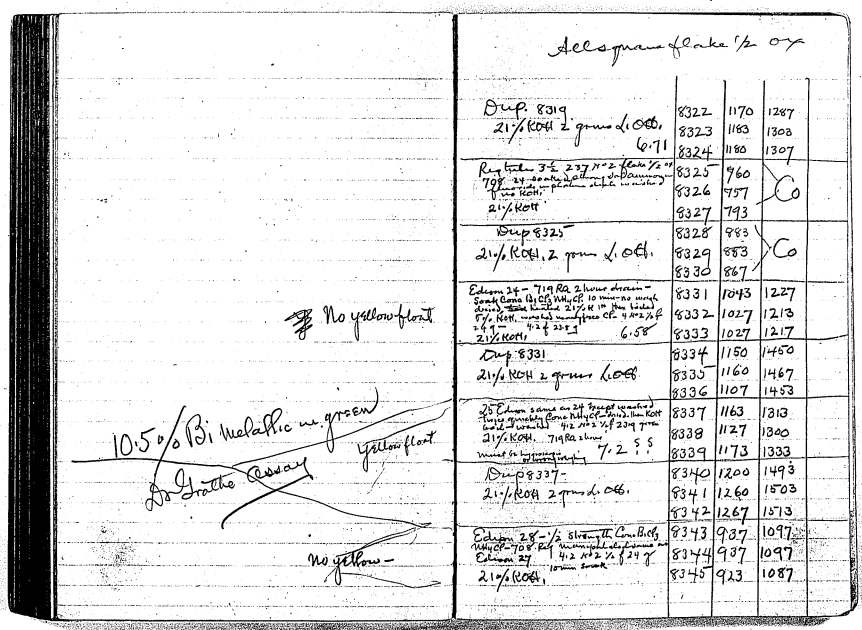

8280 1133
8281 1150
8282 1107
8292
8293
8294



All square flask

| | | Cold | 25° | |
|---|---|---|---|---|
| Dup 8295 | 8298 | 1073 | 1250 | |
| 21% 2 gms KOH. | 8299 | 1060 | 1253 | |
| | 8300 | 1057 | 1240 | |
| Reg Tubes 3½ 237 11°2 fC | 8301 | 1200 | 1083 | |
| ½ ox- Ra 719- ammonium | 8302 | 1183 | 1067 | |
| 21% KOH 2 gms 6.32 | 8303 | 1197 | 1053 | |
| Dup 8301 | 8304 | 1163 | 1287 | |
| 21% KOH 2 gms 1.0cc. | 8305 | 1167 | 1277 | |
| | 8306 | 1163 | 1280 | |
| Dup 8301 | 8307 | 1183 | 1063 | |
| Except Ra 719 Drowned | 8308 | 1177 | 1043 | |
| 3 hours in filter bag 6.33 | 8309 | 1183 | 1057 | |
| 21% KOH | | | | |
| Dup 8307 | 8310 | 1133 | 1227 | |
| 21% KOH 2 gms 1.0cc. | 8311 | 1130 | 1247 | |
| | 8312 | 1153 | 1287 | |
| Dup 8301 | 8313 | 1137 | 1063 | |
| Except 719 Ra drowned | 8314 | 1163 | 1070 | |
| 10 hours filter bag 6.06 | 8315 | 1147 | 1077 | |
| 21% KOH | | | | |
| Dup 8313 | 8316 | 1163 | 1237 | |
| 21% KOH, 2 gms 1.0cc. | 8317 | 1113 | 1237 | |
| | 8318 | 1108 | 1233 | |
| Dup 8301 | 8319 | 1177 | 1057 | |
| Except Ra 719 Drowned 4 | 8320 | 1150 | 1028 | |
| hours filter bag 6.71 | 8321 | 1163 | 1043 | |
| 21% KOH. | | | | |

24 hours Boat
in 21% Pond
16 hours plus wait for Lunch



Acc. grams of flake 1/2 oz

| | | | |
|---|---|---|---|
| Dup. 8319 | 8322 | 1170 | 1287 |
| 21% KOH 2 grms 1.008. 6.71 | 8323 | 1183 | 1308 |
| | 8324 | 1180 | 1307 |
| Rag taken 3-2 237 N=2 flake 1/2 oz | 8325 | 960 | Co |
| 798 24 acre gallery on planimeter | 8326 | 957 | |
| 21% KOH | 8327 | 793 | |
| Dup 8325 | 8328 | 983 | Co |
| 21% KOH, 2 grms 1.008. | 8329 | 883 | |
| | 8330 | 867 | |
| Edison 28 – 719 Rd 2 hour stream – | 8331 | 1043 | 1227 |
| Sandy Loam (1) Cf. 714 cf. 10 min no sand | 8332 | 1027 | 1213 |
| during last hour 2 – 21% K in flow tested | 8333 | 1027 | 1217 |
| 21½ KOH, 6.58 | | | |
| Dup 8331 | 8334 | 1150 | 1460 |
| 21% KOH 2 grms 1.008 | 8335 | 1160 | 1467 |
| | 8336 | 1107 | 1453 |
| 26 Edison same as 24 except washed | 8337 | 1163 | 1313 |
| twice granules some silty Cf. 2 hrs. flow KOH | 8338 | 1127 | 1300 |
| 21% KOH. 7.72 2 hour | 8339 | 1173 | 1333 |
| Dup 8337 – | 8340 | 1200 | 1493 |
| 21% KOH 2 grms 1.008. | 8341 | 1260 | 1503 |
| | 8342 | 1267 | 1513 |
| Edison 28 – ½ Blue Earth Co. Rich | 8343 | 987 | 1097 |
| Edison 27 | 8344 | 987 | 1097 |
| 21% KOH, | 8345 | 923 | 1087 |

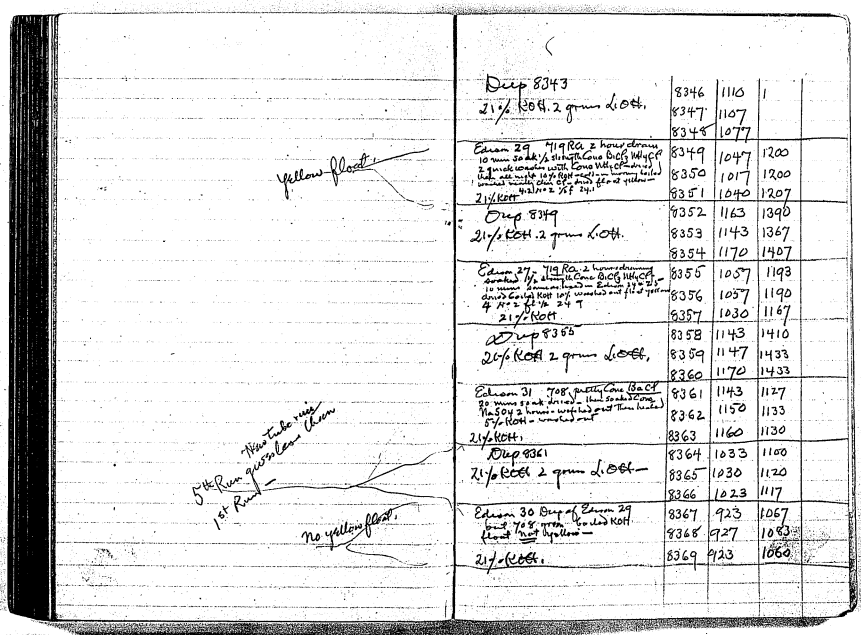
No yellow flint

10.5% Bi Metallic m. green

Dr. Grathe Assay

Yellow flint

No yellow –



| | | | |
|---|---|---|---|
| Dup 8343 | | | |
| 21% KOH. 2 gmm LiOH. | 8346 | 1110 | 1 |
| | 8347 | 1107 | |
| | 8348 | 1077 | |
| Edison 29 719 Ra. 2 hours draining 10 gmm 20 Ak½ strength Cone B of C Wt of C 2 gmm 20 water with Cone Wt of C draining (Ak. was made 10% high and) — burning boiled burned 1 min Cone B of C Ash) ff. ff. yellow — 4+2+1+2 % ff 24 T | 8349 | 1047 | 1200 |
| | 8350 | 1017 | 1200 |
| | 8351 | 1040 | 1207 |
| 21% KOH | | | |
| Dup 8349 | 8352 | 1163 | 1390 |
| 21% KOH .2 gmm LiOH. | 8353 | 1143 | 1367 |
| | 8354 | 1170 | 1407 |
| Edison 27 719 Ra. 2 hours draining soaked ½ strength Cone B of C Wt of C 20 water 2 gmm Ak — Ak was 10% 2% Carb Cond Cell KOH 10% wanted and fill 3 yellow 4 N+2 ff ½ 24 T | 8355 | 1057 | 1193 |
| | 8356 | 1057 | 1190 |
| | 8357 | 1030 | 1167 |
| 21% KOH | | | |
| Dup 8360 | 8358 | 1143 | 1410 |
| 26% KOH 2 gmm LiOH, | 8359 | 1147 | 1433 |
| | 8360 | 1170 | 1433 |
| Edison 31 708 pretty Cone B of C 20 water 2 gmm dried — (Ak to ab 30 mg No 504 2 hours + weighed) and Then boiled) 5% KOH — wanted out | 8361 | 1143 | 1127 |
| | 8362 | 1150 | 1133 |
| 21% KOH. | 8363 | 1160 | 1130 |
| Dup 8361 | 8364 | 1033 | 1100 |
| 21% KOH 2 gmm LiOH — | 8365 | 1030 | 1120 |
| | 8366 | 1023 | 117 |
| Edison 30 Dup of Edison 29 Cond 719 Ra — 10 cc old KOH (Acid not yellow — | 8367 | 923 | 1067 |
| | 8368 | 927 | 1083 |
| 21% KOH. | 8369 | 923 | 1060 |

| | | | | |
|---|---|---|---|---|
| Dup 8367 | 8370 | 1063 | 1393 | |
| 21% KOH, 2 gms LiOH – | 8371 | 1077 | 1387 | |
| | 8372 | 1033 | 1327 | |
| Edison 32 – Comm Bact 708 Soaked 1½ hr – dried 30 min MeSO4 painted, buttoned down, rolled, wound dried – no KOH. 4½ × 2 ½ ∫ | 8373 | 1230 | 1197 | |
| | 8374 | 1227 | 1193 | |
| 21% KOH | 8375 | 1233 | 1193 | |
| Dup 8373 | 8376 | 1137 | 1197 | |
| 21% 2 gms LiOH | 8377 | 1140 | 1200 | |
| | 8378 | 1130 | 1217 | |
| Edison 33 Impregnated | 8379 | 1083 | 1360 | |
| Comm Bact Soaked 1½ hr dried 30 min MeSO4 painted, buttoned down, rolled, wound dried – no KOH. 4½ × 2 ½ ∫ | 8380 | 1010 | 1300 | |
| 21% 2 gms LiOH – | 8381 | 1023 | 1323 | |
| Dup 8379 | 8382 | 1130 | | |
| 21% KOH 2 gms LiOH, | 8384 | 1057 | | |
| | | 760. | | |
| Edison 35 Anthracene – 4 ∫ ½ – 24 | 8385 | 1080 | 1023 | C6 |
| | 8386 | 1100 | 1040 | |
| 4.5 ∫ – 24.4 21% KOH | 8387 | 1090 | 1040 | |
| Dup 8385 | 8388 | 1093 | 1150 | C6 |
| 21% KOH, 2 gms LiOH. | 8389 | 1100 | 1133 | |
| | 8390 | 1107 | 1133 | |
| Edison 36 Dow Coconut Bact Na SO4 – | 8391 | 1167 | 1117 | |
| | 8392 | 1190 | 1143 | |
| 21% KOH. | 8393 | 1180 | 1120 | |

| | | | | |
|---|---|---|---|---|
| | | | 25 | |
| Dup 8391 | 8394 | 1063 | 1117 | 1117 |
| 21% KOH 2 grms LiOH — | 8395 | 1073 | 1120 | 1120 |
| | 8396 | 1077 | 1117 | 1117 |
| Edison NO 40 | 8397 | 1057 | 1040 | |
| Soak One $UrNiO_2$ and one KOH — | 8398 | 1073 | 1077 | |
| 21% KOH 4:2 ½ fr 24:3 — | 8399 | 1073 | 1053 | |
| Dup 8397 | 8400 | 1030 | 1127 | 1127 |
| 21% KOH. 2 grms LiOH — | 8401 | 1040 | 1130 | 1130 |
| | 8402 | 1037 | 1130 | 1130 |
| Edison 37 BaCl. $NSO_4$ | 8403 | 1203 | 1150 | |
| 2 dipanr-soaks ½ fr - 4:5-24:1 | 8404 | 1217 | 1167 | |
| 21% KOH — | 8405 | 1210 | 1150 | |
| Dup 8403 | 8406 | 1113 | 1150 | |
| 21% KOH, 2 grms LiOH — | 8407 | 1117 | 1130 | |
| | 8408 | 1130 | 1163 | |
| Edison 43 | 8409 | 1213 | 1210 | |
| Chromate — BaCl. one soak — | 8410 | 1197 | 1210 | |
| 4:2 ½ fr 24:2 21% KOH. | 8411 | 1223 | 1230 | |
| Dup 8409 | 8412 | 1133 | 1250 | |
| 21% KOH. 2 grms LiOH. | 8413 | 1147 | 1240 | |
| | 8414 | 1147 | 1233 | |
| Edison 39 — | 8415 | 837 | 893 | |
| $KWO_3$ BaCl. 2 soaks. | 8416 | 860 | 913 | |
| 4:5 ½ fr 24 | 8417 | 820 | 887 | |
| 21% KOH. | | | | |

## Notes

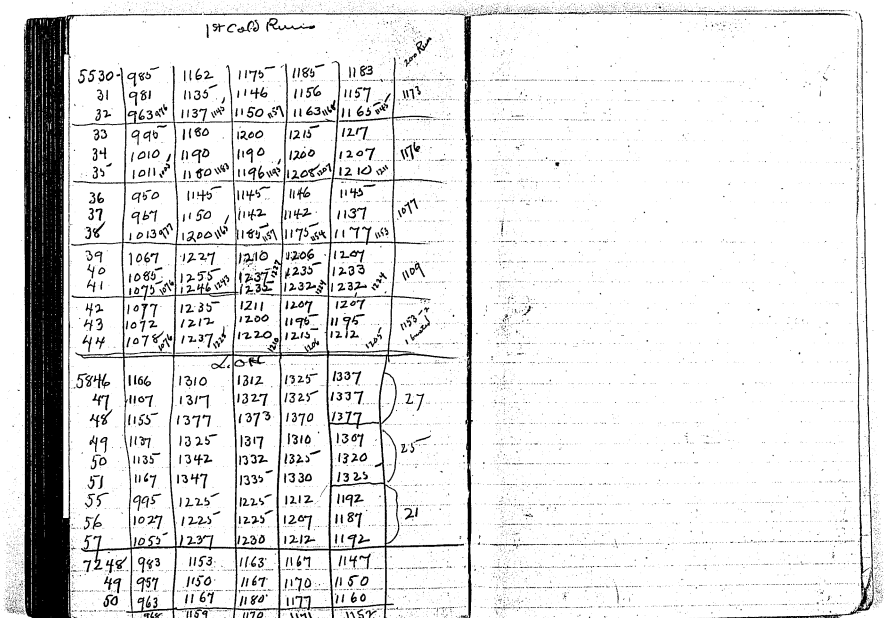
Should be a counter of lamps so can check up as if green feeding right -

Notice opson when 20 fines in series grind up in feed hopper as slide comes out, tried it much can grinding

Perhaps roughened soft plunger better than hard polish as it would tend to prevent flow

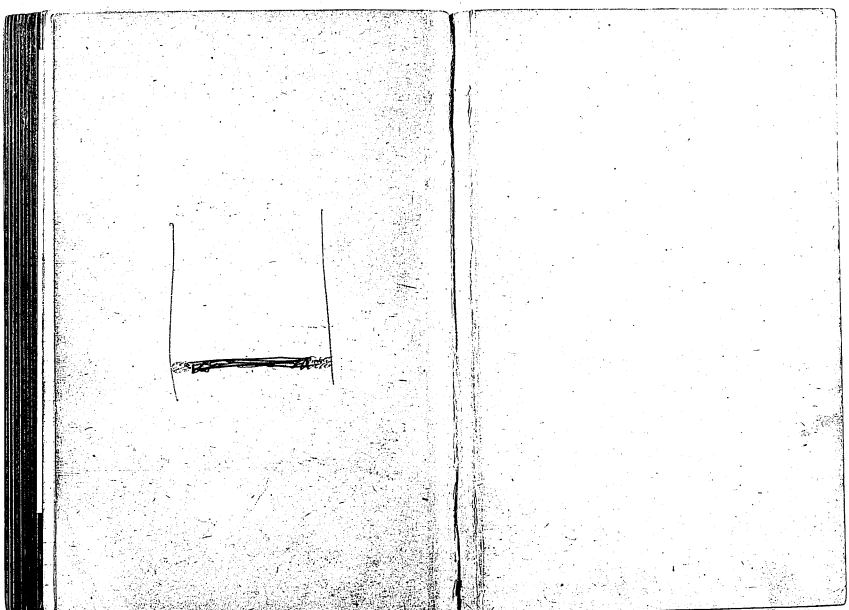
Put the springy flake should be taut as floor beat - as it wont pack well + plump between each block - the mix will need chance to expand -

Notice dip of 200 mlg between 2½ + 3 clock which is equivalent the 1/5 of length of the tube -



1st Cold Run

| | | | | | | |
|---|---|---|---|---|---|---|
| 5530 | 985 | 1162 | 1175 | 1185 | 1183 | 2nd Run |
| 31 | 981 | 1135 | 1146 | 1156 | 1157 | 1173 |
| 32 | 963 | 1137 | 1150 | 1163 | 1165 | |
| 33 | 996 | 1180 | 1200 | 1215 | 1217 | |
| 34 | 1010 | 1190 | 1190 | 1200 | 1207 | 1176 |
| 35 | 1011 | 1180 | 1196 | 1208 | 1210 | |
| 36 | 950 | 1145 | 1145 | 1146 | 1145 | |
| 37 | 967 | 1150 | 1142 | 1142 | 1137 | 1167 |
| 38 | 1013 | 1200 | 1189 | 1175 | 1177 | |
| 39 | 1067 | 1227 | 1210 | 1206 | 1207 | |
| 40 | 1085 | 1255 | 1237 | 1235 | 1233 | 1109 |
| 41 | 1075 | 1246 | 1235 | 1232 | 1232 | |
| 42 | 1077 | 1235 | 1211 | 1207 | 1207 | |
| 43 | 1072 | 1217 | 1200 | 1196 | 1195 | 1153 2nd Run |
| 44 | 1078 | 1237 | 1220 | 1215 | 1212 | |
| | | 2.0 PC | | | | |
| 5846 | 1166 | 1310 | 1312 | 1325 | 1337 | |
| 47 | 1107 | 1317 | 1327 | 1325 | 1337 | 27 |
| 48 | 1155 | 1377 | 1373 | 1370 | 1377 | |
| 49 | 1137 | 1325 | 1317 | 1310 | 1307 | |
| 50 | 1135 | 1342 | 1332 | 1325 | 1320 | 25 |
| 51 | 1167 | 1347 | 1335 | 1330 | 1325 | |
| 55 | 995 | 1225 | 1225 | 1212 | 1192 | |
| 56 | 1027 | 1225 | 1225 | 1207 | 1189 | 21 |
| 57 | 1053 | 1237 | 1230 | 1212 | 1192 | |
| 7248 | 983 | 1153 | 1163 | 1167 | 1147 | |
| 49 | 997 | 1150 | 1167 | 1170 | 1150 | |
| 50 | 963 | 1169 | 1180 | 1177 | 1160 | |
| | 966 | 1159 | 1170 | 1171 | 1157 | |



[ITEM FOUND IN BOOK]

East Orange, N.J.
April 15, 08.

Mr Edison:-

The following tubes were made to-day.

9431 Greenleaf # 11-12 + 13 Flake
Ni(OH)2 #718 green, same as used on #9359
24 green 4 Ni flake # 11-12+13.
Flake 4.4 Green 24 | 6 Rings
Tubes slightly sparing 265 dumps wt 7.378

9432 272 " wt 7.451
Flake Bulky, same as #3 Acid treated flake,

9433 Rings. of #9431
21% KOH. 2. gms LiOH.
276 dumps wt 7.443

9434 274 " wt 7.508

Asked Rogers to make me a slide for the hydrate side of the

[ITEM FOUND IN BOOK]



tube machine with the same size hole in it, that he was using on his long tube machines.

John Clett had it fitted to the small tube machine in room #12.

The reason I done this was it seemed to me that their machines was not giving an average oben .021 milgms per thump of green, where as my machines seemed to have a smaller sized hole, and was giving an average of .0241 milgms per thump of green.

| #718 Green Sample #5 | |
|---|---|
| 25 thumps | |
| Tapped slide gently by hand | Raw machine with plunger tamping green in a tube. |

[ITEM FOUND IN BOOK]



| Tapped by hand | | Plunger tamped | |
|---|---|---|---|
| .707 Milfm | .680 Milfm | .649 Milfm | .655 Milfm |
| .702 " | .690 " | .656 " | .615 " |
| .687 " | .680 " | .688 " | .621 " |
| .700 " | .680 " | .603 " | .621 " |
| .703 " | .674 " | .639 " | .630 " |
| .675 " | .668 " | .634 " | .616 " |
| .672 " | .672 " | .646 " | .608 " |
| .682 " | .664 " | .630 " | .617 " |
| .676 " | .660 " | .656 " | .612 " |
| .665 " | .663 " | .645 " | .610 " |

| # 718 Green Sample #6. 25 dumps. | |
|---|---|
| Tapped slide gently by hands. | Raw machine and let plunger tamp grain in a tube |
| .678 Milfm | .694 milfm | .643 Milfm | .668 milfm |
| .695 " | .695 " | .652 " | .675 " |
| .691 " | .692 " | .655 " | .660 " |
| .694 " | .697 " | .663 " | .666 " |
| .698 " | .682 " | .662 " | .647 " |

[ITEM FOUND IN BOOK]



| Tamped by hand | | Tamped by plunger | |
|---|---|---|---|
| .691 milligrams | .683 milligrams | .649 milligrams | .652 milligrams |
| .689 " | .685 " | .641 " | .656 " |
| .692 " | .693 " | .660 " | .654 " |
| .687 " | .685 " | .657 " | .666 " |
| .683 " | .690 " | .650 " | .654 " |

I told Rogers about the loading weights I got with my machine and his slide being a good deal higher than he got with his machines with the same slide.

Yours Respectfully
Walter Archer.

[ITEM FOUND IN BOOK]

[FROM RALPH ARBOGAST]

Mr. Editor

Quantity about many #1 Nos in 2 ounces very but the 3 in Original Package is 30 ounces and it will be the lab- [illegible]

The following is list I submit you I have in my quantity

#716 - 330 ½ ounces unfiltered dried liver

717 - 330 " ½ " " " " "

718 - 390 " ½ " " " " "

719 - 148 " ½ " filtered on tray 3 10 hrs dried 2 hrs

720 - 298 " ½ " " " " 2 " " "

721 - 329 " ½ " " " " 2 " " "

Kindly advise me what to send Rodgers by return mail for they will probably be in need of it by that time.

What do you think of these analyses?

#721 - 2.16 % $NiCO_3$

#708 1.5 % "

#719 .88 % "

#707 2.40 % "

They are views entertained by me in place of

[ITEM FOUND IN BOOK]

[FROM RALPH ARBOGAST]

3/35567
11 89

3/32463
10 88

2

Lab Lac 6 / 707 a Hotel 6 is of Lung
you can be the pat first sense in the
hydrate until a little acid
can it be used although to
strong:

$CO_2$ = 50.6 %

Oxygen = 5.3 %

Nitrogen = 14.1 %

It is taking at the $CO_2$ we have a mixture
gas which if stirred exists be air but the
% of O in it is too high for us to con-
clude that what Co bacillus was in the Nitrogen
had furnished the extra oxygen (5.6 %)
Think I have a fighting chance of getting
some queens to 1600 for a short time.
Hope you are recovering rapidly +
completely from your illness.

Ralph